

```
; ORGANISM: Myxococcus xanthus
US-09-902-540-13545

Query Match
Best Local Similarity 8.4%; Score 84; DB 4; Length 612;
Matches 53; Conservative 31; Mismatches 64; Indels 74; Gaps 13;

QY 30 EEAEIOVLQ-----TLKSGRYRLGKIFRKQKOB--NANAV---LLELLED--- 71
Db 297 ELGEVAVLQYDPDVRDAVALVREDTQARRLVGVVQAELDASALRSFKERLPDHLV 356
QY 72 -----TDSALPSEVQGGVWVKVIFKTPNQDTE-----FLE 103
Db 357 PAAFVALDALPLSPGKVDRAALPAPDAARGNAKV--FTEPRTEAEKALAALWTVLGV 415
QY 104 RLNL---FLEKEGTVSGM-----FRALGOEALSPATVPCISPPELLAHLIG----- 146
Db 416 RVSLHDNFFELGGDSILGIQIVSRKALGLE--LEPAML--FERQTLVELAAAAATAKAGT 472
QY 147 --QAMAHAPQPLPMRYRKLRFVSGS--AVPAPEESFEVWLE 185
Db 473 AEQGLVEGVPVLTQMQ----RIFDEWALPQPHYINLAAVLE 510

RESULT 9
US-09-134-000C-5974
; Sequence 5974, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; FILE REFERENCE: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5974
; LENGTH: 547
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5974

Query Match
Best Local Similarity 8.3%; Score 82.5; DB 4; Length 547;
Matches 44; Conservative 38; Mismatches 65; Indels 53; Gaps 9;

QY 5 LEDW--CRIMSVDEQKSLMVTGI--PAD-----PEEAE-----IOEVLQETLKSILGRY 48
Db 310 LELKKNYRLINSYVQLAIVGVTKPENETHIRYQQAEGQLIFQWLKEQLPEILPDVALF 369
QY 49 RLQK-----IFRKQENANAVLLELLEDTVDSALPSEVQ--GKGGVWVKVIFKTPNQDTEFL 102
Db 370 KLNQNKSLIFQSKNDHLMILQNLAERLQALPITIRFALGNAYENLEDLPNSVIEAS 429
QY 103 ERLNLFLEKSGQTVSGMFRALGOEALSPATVPCISPPELLAHL---LQ-----Q 147
Db 430 STLQASL-----HAQKPAIVQLFHPKGLAGLFEKIGTDEVYFCQQQK 473
QY 148 AMAHAPQPLPMRYRKLRFV 167
Db 474 ELAYPTPTQLERKRLKVF 493

RESULT 10
US-09-248-796A-16474
; Sequence 16474, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
```

```
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 16474
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-16474

Query Match
Best Local Similarity 8.2%; Score 81.5; DB 4; Length 285;
Matches 51; Conservative 37; Mismatches 62; Indels 93; Gaps 11;

QY 26 PADFEAEIOEVLQ--ETLKSL--GRY-----RLLGKIFRKQENANAVLLELLEDTD 73
Db 32 PKGFKAAGVDILOSRTPKTSITGRFAPLKIQNSWQLVRSFDSFCGNPAIVTTVIE--P 89
QY 74 VSAIPSEVQGGVWVKVIFKTPNQD-----TEFLERLNLFL-----LSP 130
Db 90 VNADPSKIAS---YQVFEDAAKADCAPSYALQFGSDLTFTVTAEMYLWAPLLDQGYV 145
QY 110 -----EKEGQTVSGMFR-----LQGEA-----LSP 130
Db 146 VSPDYEGPKLFTFTIGKSGQAVLNSIRATLKSKITNIKEDAKVVMWYGGSLASGMAA 205
QY 131 ATPVCISPPELLAHLQAMAHAPQPLPMRYRKLRFV-----FSGSAVPAPBEESF 180
Db 206 ALQPSYAPELSSLLGCCLRWNWYPNLLPHKQLMVLVYQELWQMPWVGANEYPESQS- 264
QY 181 EVW 183
Db 265 -IW 266

RESULT 11
US-09-328-352-7656
; Sequence 7656, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 7656
; LENGTH: 580
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-7656

Query Match
Best Local Similarity 8.2%; Score 81.5; DB 4; Length 580;
Matches 36; Conservative 22; Mismatches 58; Indels 27; Gaps 5;

QY 30 EEAEIOEVLQETLKSILGR-----YRL-LGKIFRKQENANAVLLELLEDTVS 75
Db 248 EQGAEQVLEQPKVDVYTRALLYCRPQMSQRPRLPVTSDFMQOE--NNILVE--QSF 303
QY 76 AIPSEVQGGVWVKVIFKTPNQDTEFLERLNLFLFLEKEGQTVSGM-----FRALGOE 126
Db 304 EIPERKRGNGDEQIILEVKDLKCKSFYRKGLFGKEEFOAVKGVSKLAKGKTGLGV 363
QY 127 ALSPATVPCISPPELLAHLGQAM 149
Db 364 GSGKTTVGLLMLRLHQAAGGQAL 386
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; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma

; FILE REFERENCE: SLK98-01

; CURRENT APPLICATION NUMBER: US/09/189,527A

; CURRENT FILING DATE: 1998-11-10

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 13

; LENGTH: 462

; TYPE: PRT

; ORGANISM: homo sapiens

; US-09-189-527-13

Query Match 44.5%; Score 443.5; DB 3; Length 462;

Best Local Similarity 46.8%; Pred. No. 8.2e-39;

Matches 89; Conservative 34; Mismatches 64; Indels 3; Gaps 2;

QY 6 EDWCRIMSVDEQKSLMTGIPADFEAEIOEVLTQETLKSIGRYLLGKIFRKQENANAVL 65

DB 1 QDWCRCGHLNTRCMLILGIPDCGDEFEETLQACRHLGRYRVIGRMFRRENAQAIL 60

QY 66 LLELLEDTDVSAIPSEVQGGVWVKVIKTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQ 125

DB 61 LELAQDIDYALLPREIPFGKGPWEVIVKPRNSDGEFLNRLNLFLEERTVSDMNRVLGS 120

QY 126 EALSPATVPICISPELLAHLGQAAMAHAPQPLL-PMRYKRLRVFSGSAVPAPEEESPEVWL 184

DB 121 DTNCSAPRVVISPEFWT--WAQTIGAAVQPLLEQMLYRELRVSGNTISIPGALAFDAWL 178

QY 185 EQATEIVKEW 194

DB 179 EHTTEMLQMW 188

RESULT 3

US-09-189-527-4

; Sequence 4, Application US/09189527A

; Patent No. 6387639

; GENERAL INFORMATION:

; APPLICANT: Jerome B. Posner

; APPLICANT: Josep O. Dalmau

; APPLICANT: Myrna R. Rosenfeld

; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma

; FILE REFERENCE: SLK98-01

; CURRENT APPLICATION NUMBER: US/09/189,527A

; CURRENT FILING DATE: 1998-11-10

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 4

; LENGTH: 329

; TYPE: PRT

; ORGANISM: homo sapiens

; US-09-189-527-4

Query Match 44.3%; Score 441; DB 3; Length 329;

Best Local Similarity 46.4%; Pred. No. 9.2e-39;

Matches 90; Conservative 37; Mismatches 61; Indels 6; Gaps 4;

QY 2 LALLEDCRIMSVDEQKSLMTGIPADFEAEIOEVLTQETLKSIGRYLLGKIFRKQENA 61

DB 3 MTLLEDWCRGMDVNSQRTLLVWGIPIVNCDEAEIETLQAAMPQVS-YRMLGRMFWREENA 61

QY 62 NAVILLELLEDTDVSAIPSEVQGGVWVKVIKTPNQDTEFLERLNLFLEKEGQTVSGMFR 121

DB 62 KAALLELTGADVAAAIIPREMPGKGVWVKVLPKPTSDAEFLERLHLFLAREGTVQDVAR 121

QY 122 ALGOEALSPATVPICISPELLAHLGQAAMAHAPQPLL-PMRYKRLRVFSGSAVPAPEEESF 180

DB 122 VLGFQ--NPTTTP--GPEMPAEMNLNLYLDNVIQPLVESIWKRLTLFSGKGHPAWRGNF 177

QY 181 EVMLEQATEIVKEW 194

Db 178 DPWLEHTNEVLEEW 191

RESULT 4

US-08-318-837-9

; Sequence 9, Application US/08318837

; Patent No. 5981277

; GENERAL INFORMATION:

; APPLICANT: FRANSEN, LUCIA; DEVOS, KATHLEEN; VAN DE VOORDE,

; APPLICANT: ANDRE; VAN HEUVERSWYN, HUGO

; TITLE OF INVENTION: NEW POLYPEPTIDES AND PEPTIDES, NUCLEIC ACID

; TITLE OF INVENTION: CODING FOR THEM, AND THEIR USE IN THE FIELD OF TUMOR THERAPY OF

; TITLE OF INVENTION: IMMUNOLOGY

; NUMBER OF SEQUENCES: 53

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BIERMAN AND MUSERLIAN

; STREET: 600 THIRD AVENUE

; CITY: NEW YORK

; STATE: NEW YORK

; COUNTRY: USA

; ZIP: 10016

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: ASCII

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/318,837

; FILING DATE: 13-OCT-1994

; CLASSIFICATION: 800

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/EP 93/01022

; FILING DATE: 28-APR-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 92.401.231.3

; FILING DATE: 30-APR-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: CHARLES A. MUSERLIAN

; REGISTRATION NUMBER: 19,683

; REFERENCE/DOCKET NUMBER: 410.007

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 661-8000

; TELEFAX: (212) 661-8002

; INFORMATION FOR SEQ ID NO: 9:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 311 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-318-837-9

Query Match 8.8%; Score 87.5; DB 2; Length 311;

Best Local Similarity 27.1%; Pred. No. 0.55;

Matches 45; Conservative 21; Mismatches 59; Indels 41; Gaps 11;

QY 53 KIFRKQENANAVL-----LLELLEDTDVSAIPSEVQ-----GKGGVWVKVIFKTPNQDTEFLE 103

DB 109 KIFRSGSGANIVLEKTGELRLIV-RDIRGEPQGVQCFSLQGGOLF--VEATPOODIS--R 163

QY 104 RLNLFLFLEKEGQTVSGMFRALGQALSPATVPICISPELLAHLG-----QAMAHAPQ 154

DB 164 RTTGF--QYELMSGQ-RGLDLHLVLSAPCRPCSDTEVLLAICTSDFFVVRGFIEDVTHVPE 219

QY 155 PLLPWRV-----RKLRVFSGSAVPAPEEESFEVWLEQATEIVK 192

DB 220 QQVSVIYLRVNLRLHRKQSRVQ-----PAPEDSGH--WLGHVVTLLQ 259

RESULT 5

US-09-949-016-10853

; Sequence 10853, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: August 26, 2005, 16:35:24 ; Search time 14.704 Seconds
(without alignments)
989.972 Million cell updates/sec

Title: US-10-037-860-7
Perfect score: 996
Sequence: 1 PLALLEDWCRIMSVDEQKSL.....EESFEVWLEQATEIVKEMP 195

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	996	100.0	195	3	US-09-189-527-7
2	443.5	44.5	462	3	US-09-189-527-13
3	441	44.3	329	3	US-09-189-527-4
4	87.5	8.8	311	2	US-08-318-837-9
5	87.5	8.8	3838	4	US-09-949-016-10853
6	84.5	8.5	520	4	US-09-792-024-121
7	84.5	8.5	527	4	US-09-248-796A-15917
8	84	8.4	612	4	US-09-902-540-13545
9	82.5	8.3	547	4	US-09-134-000C-5974
10	81.5	8.2	285	4	US-09-248-796A-16474
11	81.5	8.2	580	4	US-09-328-352-7656
12	81	8.1	1442	4	US-09-902-540-9777
13	80.5	8.1	136	4	US-09-252-991A-31474
14	80.5	8.1	270	2	US-08-852-743-5
15	80.5	8.1	270	3	US-09-185-370-5
16	80.5	8.1	365	4	US-09-971-020A-3
17	80.5	8.1	487	2	US-08-712-709-8
18	80.5	8.1	487	3	US-09-111-444-8
19	80.5	8.1	487	3	US-09-541-228-8
20	80	8.0	375	4	US-09-328-352-7783
21	80	8.0	430	4	US-09-949-016-10720
22	79	7.9	258	4	US-09-252-991A-24184
23	78.5	7.9	316	1	US-08-403-634-4
24	78.5	7.9	316	1	US-08-403-634-31
25	78.5	7.9	316	3	US-08-913-441B-4
26	78.5	7.9	316	3	US-08-913-441B-31
27	78.5	7.9	316	4	US-09-571-985C-4

Sequence 31, Appl
Sequence 52, Appl
Sequence 52, Appl
Sequence 2, Appl
Sequence 2, Appl
Sequence 1, Appl
Sequence 6427, Ap
Sequence 9445, Ap
Sequence 2, Appl
Sequence 29636, A
Sequence 323, App
Sequence 10432, A
Sequence 12849, A
Sequence 10724, A
Sequence 30106, A
Sequence 193, App
Sequence 193, App

28 78.5 7.9 316 4 US-09-571-985C-31
29 78.5 7.9 445 3 US-09-457-046B-52
30 78.5 7.9 445 4 US-09-866-570B-52
31 78.5 7.9 745 1 US-08-136-277-2
32 78.5 7.9 745 3 US-08-479-403-2
33 78.5 7.9 745 3 US-08-835-734-2
34 77.5 7.8 1657 1 US-08-287-959-1
35 77.5 7.8 1657 4 US-09-949-016-6427
36 77.5 7.8 1678 4 US-09-949-016-9445
37 77.5 7.8 1805 1 US-07-853-913-2
38 77 7.7 542 4 US-09-252-991A-29636
39 77 7.7 910 4 US-09-489-847-323
40 77 7.7 910 4 US-09-902-540-10432
41 76 7.6 248 4 US-09-489-039A-12849
42 76 7.6 742 4 US-09-949-016-10724
43 76 7.6 759 4 US-09-252-991A-30106
44 75.5 7.6 475 4 US-09-370-838-193
45 75.5 7.6 475 4 US-09-854-133-193

ALIGNMENTS

RESULT 1
US-09-189-527-7
; Sequence 7, Application US/09189527A
; Patent No. 6387639
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
; FILE REFERENCE: SLK98-01
; CURRENT APPLICATION NUMBER: US/09/189,527A
; CURRENT FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 195
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-189-527-7

Query Match 100.0%; Score 996; DB 3; Length 195;
Best Local Similarity 100.0%; Pred. No. 1.8e-98;
Matches 195; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PLALLEDWCRIMSVDEQKSLMTVTGIPADFEAEIQEVLOETLKSILGRYLLGKIFRKQEN 60
Db 1 PLALLEDWCRIMSVDEQKSLMTVTGIPADFEAEIQEVLOETLKSILGRYLLGKIFRKQEN 60

Qy 61 ANAVLELLEDTDTVSAIPSEVQKGGVWKVIFKTPNQDTEFLERLNLFLKEGQTVSGMF 120
Db 61 ANAVLELLEDTDTVSAIPSEVQKGGVWKVIFKTPNQDTEFLERLNLFLKEGQTVSGMF 120

Qy 121 RALGQALSPATVPCISPELLAHLICQAMAHAPQPLLPMRYRKLRFVFGSVAVPAPPEESF 180
Db 121 RALGQALSPATVPCISPELLAHLICQAMAHAPQPLLPMRYRKLRFVFGSVAVPAPPEESF 180

Qy 181 EWLQEAETIVKEMP 195
Db 181 EWLQEAETIVKEMP 195

RESULT 2
US-09-189-527-13
; Sequence 13, Application US/09189527A
; Patent No. 6387639
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld

; TYPE: PRT		; ORGANISM: Homo sapiens	
US-09-804-014A-74		US-10-037-860-4.rapb	
Query Match		Score 874.5; DB 10; Length 312;	
Best Local Similarity		55.9%; Pred. No. 1.1e-76;	
Matches 175; Conservative 53; Mismatches 78; Indels 7; Gaps 5;			
QY	1	MAMTLLDWCRCMDVNSQRTLLVWGIPVNCDEAIEBETLQAAM-PQVSYRMGLRMFWREE	59
DB	1	MTLRLLDWCRCMDMPKALLTAGISQSCVAIEEALQAQAPLGEYRLGLRMFRDE	60
QY	60	NAKAALLELTGAVDYAAIPREMPGKGWVKVLPKPTSDAEFLERLHLFLAREGWTVDV	119
DB	61	NRKVALVLTGAETSHALVPKEIPKGGIWRVIFKPPDPDNTFLSRLNEFLAGEGWTVGL	120
QY	120	ARVLGFQNPPT--PTPG--PEMPAEMLYILDVNIQPLVESIWYKRLTLPSGKGHPRAWG	175
DB	121	SRALGHENGSLDPEQMIPEWMAPLQAAL-ALQPALQCLKYKURVFGSPPEGEE	179
QY	176	NFDPWLEHTNEVLEEQVSDVEKRRRLMESLRGPAADVIRILKSNPNPAITTAECCLKALBQ	235
DB	180	EFGWFWHTTQMIKAQVDPVEKRRRLLESRLGPAADVIRILKSNPNPAITTAECCLKALBQ	239
QY	236	VFGSVSSRDAQIKFLNTYQNPGEKLSAYVIRLEPLQKVEKGAIDKONVNOARLEQVI	295
DB	240	VFGVDNPRELQVKYLTYYQKDEKLSAYVIRLEPLQKVEKGAIDKONVNOARLEQVI	299
QY	296	AGANHSAGAIRROL 308	
DB	300	AGAVHK-TIRREL 311	
RESULT 14			
US-10-504-329-3			
; Sequence 3, Application US/10504329			
; Publication No. US20050106569A1			
; GENERAL INFORMATION:			
; APPLICANT: Evotec NeuroSciences GmbH			
; TITLE OF INVENTION: Diagnostic and therapeutic use of MA onconeural			
; FILE REFERENCE: G30475wo ME/BM			
; CURRENT FILING DATE: 2004-08-25			
; NUMBER OF SEQ ID NOS: 15			
; SOFTWARE: Patentin Ver. 2.1			
; SEQ ID NO 3			
; LENGTH: 364			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
US-10-504-329-3			
Query Match		44.6%; Score 770.5; DB 17; Length 364;	
Best Local Similarity		47.6%; Pred. No. 2.1e-66;	
Matches 159; Conservative 65; Mismatches 96; Indels 13; Gaps 5;			
QY	1	MAMTLLDWCRCMDVNSQRTLLVWGIPVNCDEAIEBETLQAAMPOVS-YRMLGRMFWRREE	59
DB	1	MALALLDWCRCIMSDVEQSKMTWGPADFEAEIEQVLETLKSLGRYLLGKIFPKQE	60
QY	60	NAKAALLELTGAVDYAAIPREMPGKGWVKVLPKPTSDAEFLERLHLFLAREGWTVDV	119
DB	61	NANAVLELLEDTDVSAIPSEVQGGWVKVIFKTNQDTEFLERLNLFLKEGGQTVSGM	120
QY	120	ARVLGFQNPPTP-----GPEMPAEMLYILDVNIQPLVESIWYKRLTLPSGKGHPRAWG	175
DB	121	FRAIGQGVSPATVPICISPELLAHLGQAHAHAQPLL-PMYRKLRVFGSGSAVPAPEE	179
QY	176	NFDPWLEHTNEVLEEQVSDVEKRRRLMESLRGPAADVIRILKSNPNPAITTAECCLKALEQ	235
DB	180	SFEWLEQATEIVKEWPTVEAKRWLAESLRGPAADLMHIVQADNPSISVEECLAFKQ	239
QY	236	VFGSVSSRDAQIKFLNTYQNPGEKLSAYVIRLEPLQKVEKGAIDKONVNOARLEQVI	295
Query Match		44.3%; Score 766.5; DB 13; Length 463;	
Best Local Similarity		50.2%; Pred. No. 7.4e-66;	
Matches 157; Conservative 50; Mismatches 103; Indels 3; Gaps 2;			
QY	1	MAMTLLDWCRCMDVNSQRTLLVWGIPVNCDEAIEBETLQAAMPOVS-YRMLGRMFWRREE	59
DB	1	MPLTLLQDWCRCGEHLNTRCMLILGIPEDCGDEFEETLQEAACHLGRYRVIGRMFRREE	60
QY	60	NAKAALLELTGAVDYAAIPREMPGKGWVKVLPKPTSDAEFLERLHLFLAREGWTVDV	119
DB	61	NAQAILLELAQDIDALLPREIPGKGPPWEVIVKPNSDGEFLNLRNRFLEERTVSDM	120
QY	120	ARVLGFQNPPTTPGPEMPAEMLYN--ILDVNIQPLVESIWYKRLTLPSGKGHPRAWGNF	177
DB	121	NRVLGSDTNCSPRVTVISPEFTWATLGAAVQPLLEQMLYRELKRVFSGNTISIPGALAF	180
QY	178	DPWLEHTNEVLEEQVSDVEKRRRLMESLRGPAADVIRILKSNPNPAITTAECCLKALEQVF	237
DB	181	DAWLEHTTEMLQWQVPEGEKRRRLMECLRGSPALQVWSGRASNASITVVEECLAAALQVVF	240
QY	238	GSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLQKVEKGAIDKONVNOARLEQVIAG	297
DB	241	GPVESHKTAQVKLCKAYQAEAGEKVSFVLRLEPLQLQRAVENNVSRNVNQTLEKRVLSG	300
QY	298	ANHSAGAIRROLWL 310	
DB	301	ATLPDKLRDKKL 313	
Search completed: August 26, 2005, 17:21:25			
Job time : 89.4087 secs			

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; CURRENT FILING DATE: 2005-02-02
; PRIOR APPLICATION NUMBER: US/09/969,680
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 112301CD1
US-11-048-692-1

Query Match      51.3%; Score 887.5; DB 20; Length 351;
Best Local Similarity 55.4%; Pred. No. 6.9e-78;
Matches 179; Conservative 53; Mismatches 84; Indels 7; Gaps 5;

Qy 1 MAMTLLDWCRCGMDVNSQRTLLVWGIPVNCDEAIEETLQAAM-PQVSYRMLGRMFWRRE 59
Db 1 MTLRLLEDWCRCGMDNPNRKALLIAGISQSCSVABIEEALQAGLAPLGEYRLGRMFRDE 60

Qy 60 NAKAAELLELTGAVDYAAIPREMPGKGWVKVLPKPTSDAEFLERLHLFLAREGWTVDV 119
Db 61 NRKVALVGLTAETSHALVPKEIPKGGIWRVIFKPPDPDNTFLSRNLEFLAGSGMTVGEL 120

Qy 120 ARVLGFQNP--PTPG--PMPAEMLYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRG 175
Db 121 SRALGHENGSLDPEQGMIPEMWAPMLAQALE-ALQPALQCLKYKLRVFSGRESPEEGE 179

Qy 176 NFDPMLEHTNEVLVEQVSDVEKRRRLMESLRGPAADVIRILKSNPATTATCLKALEQ 235
Db 180 EFGRMWPHHTTQMIKAWQVDPVEKRRRLLESIRGPAADVIRVLKINNPLITVDECLQALEE 239

Qy 236 VFGSVESRDQAQIKFLNTYQNFGEKLSAYVIRLEPLLOKVEKGATDKONVNOARLEQVI 295
Db 240 VFGVTDPNRELQVKYLTYYQKDEKLSAYVIRLEPLLOKLVQRGATERDAVNOARLDQVI 299

Qy 296 AGANHSGAIRQLWLTGAGEGPG 318
Db 300 AGAVHK-TIRRELNPEDGPAG 321

RESULT 12
US-09-804-014A-73
; Sequence 73, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shimkets, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 312

Query Match      50.6%; Score 874.5; DB 10; Length 312;
Best Local Similarity 55.9%; Pred. No. 1.1e-76;
Matches 175; Conservative 53; Mismatches 78; Indels 7; Gaps 5;

Qy 1 MAMTLLDWCRCGMDVNSQRTLLVWGIPVNCDEAIEETLQAAM-PQVSYRMLGRMFWRRE 59
Db 1 MTLRLLEDWCRCGMDNPNRKALLIAGISQSCSVABIEEALQAGLAPLGEYRLGRMFRDE 60

Qy 60 NAKAAELLELTGAVDYAAIPREMPGKGWVKVLPKPTSDAEFLERLHLFLAREGWTVDV 119
Db 61 NRKVALVGLTAETSHALVPKEIPKGGIWRVIFKPPDPDNTFLSRNLEFLAGSGMTVGEL 120

Qy 120 ARVLGFQNP--PTPG--PMPAEMLYILDNVIQPLVESIWYKRLTLFSGKGHPRAWRG 175
Db 121 SRALGHENGSLDPEQGMIPEMWAPMLAQALE-ALQPALQCLKYKLRVFSGRESPEEGE 179

Qy 176 NFDPMLEHTNEVLVEQVSDVEKRRRLMESLRGPAADVIRILKSNPATTATCLKALEQ 235
Db 180 EFGRMWPHHTTQMIKAWQVDPVEKRRRLLESIRGPAADVIRVLKINNPLITVDECLQALEE 239

Qy 236 VFGSVESRDQAQIKFLNTYQNFGEKLSAYVIRLEPLLOKVEKGATDKONVNOARLEQVI 295
Db 240 VFGVTDPNRELQVKYLTYYQKDEKLSAYVIRLEPLLOKLVQRGATERDAVNOARLDQVI 299

Qy 296 AGANHSGAIRQL 308
Db 300 AGAVHK-TIRREL 311

RESULT 13
US-09-804-014A-74
; Sequence 74, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shimkets, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 312
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; PRIOR APPLICATION NUMBER: 60/189,140
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: 60/190,401
 ; PRIOR FILING DATE: 2000-03-17
 ; PRIOR APPLICATION NUMBER: 60/190,231
 ; PRIOR FILING DATE: 2000-03-17
 ; NUMBER OF SEQ ID NOS: 75
 ; SOFTWARE: Patent In Ver. 2.1
 ; SEQ ID NO 39
 ; LENGTH: 321
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-804-014A-39

Query Match 51.3%; Score 887.5; DB 10; Length 321;
 Best Local Similarity 55.4%; Pred. No. 6e-78;
 Matches 179; Conservative 53; Mismatches 84; Indels 7; Gaps 5;

Qy	1	MAMTLLDWCRCMDVNSQRTLLVWGIPVNCDEAEIETLQAAAM-POVSYRMLGRMFWRRE	59
Db	1	MTLRLLDWCRCMDMNPRAKLLIAGISQSCSVAIEEALQAGLAPLGEYLLGRMFRDE	60
Qy	60	NAKAALLELTGAVDYAAAI PREMPGKGGVWKVLPKPTSDAEFLERLHLFLAREGWTVDV	119
Db	61	NRKVALVGLTAETSHALVPKEIPGKGIWRVIFKPPDPNTFLSRNLEFLAGEGTMVGEL	120
Qy	120	ARVLGFQNPPT--PTPG--PMPAEMLNLYILDNVIQPLVESIWKRLTLFSGKGHPRAWRG	175
Db	121	SRALGHENGSLDPEQGMIPENWAPMLAQALE-ALQPALQCLKYKLRVFSGRESPEEGE	179
Qy	176	NFDPLWLEHTNEVLEWQSDVEKRRRLMESLRGPAADVIRILKSNNPATTTACCLKALEQ	235
Db	180	EFGRMFHTTQMIKAWQVDPVEKRRRLLESRGPDALDVRVLKINNPLITVDECLQALEE	239
Qy	236	VFGSVSSRDAQIKFLNTYQNPGEKLSAYVIRLEPLQKVKVEGAIDKDNVNOARLEQVI	295
Db	240	VFGVTDPRELQVKYLTYYQKDEKLSAYVIRLEPLQKVKVEGAIDKDNVNOARLDQVI	299
Qy	296	AGANHSAGAIRQLWLTGAGEGPG	318
Db	300	AGAVHK-TIRRELNPEDGPAPG	321

RESULT 7

US-09-965-529-1
 ; Sequence 1, Application US/09965529
 ; Publication No. US20020182671A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LAL, Preeti
 ; APPLICANT: YUE, Henry
 ; APPLICANT: TANG, Y. Tom
 ; APPLICANT: BANDMAN, Olga
 ; APPLICANT: BURFORD, Neil
 ; APPLICANT: AZIMZAI, Valda
 ; APPLICANT: BAUGHN, Mariah R.
 ; APPLICANT: LU, Dyoung Aina M.
 ; APPLICANT: PATTERSON, Chandra
 ; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 ; FILE REFERENCE: PF-0731 USA
 ; CURRENT APPLICATION NUMBER: US/09/965,529
 ; CURRENT FILING DATE: 2001-09-26
 ; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
 ; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
 ; NUMBER OF SEQ ID NOS: 74
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 1
 ; LENGTH: 351
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
 US-09-965-529-1

Qy	1	MAMTLLDWCRCMDVNSQRTLLVWGIPVNCDEAEIETLQAAAM-POVSYRMLGRMFWRRE	59
Db	1	MTLRLLDWCRCMDMNPRAKLLIAGISQSCSVAIEEALQAGLAPLGEYLLGRMFRDE	60
Qy	60	NAKAALLELTGAVDYAAAI PREMPGKGGVWKVLPKPTSDAEFLERLHLFLAREGWTVDV	119
Db	61	NRKVALVGLTAETSHALVPKEIPGKGIWRVIFKPPDPNTFLSRNLEFLAGEGTMVGEL	120
Qy	120	ARVLGFQNPPT--PTPG--PMPAEMLNLYILDNVIQPLVESIWKRLTLFSGKGHPRAWRG	175
Db	121	SRALGHENGSLDPEQGMIPENWAPMLAQALE-ALQPALQCLKYKLRVFSGRESPEEGE	179
Qy	176	NFDPLWLEHTNEVLEWQSDVEKRRRLMESLRGPAADVIRILKSNNPATTTACCLKALEQ	235
Db	180	EFGRMFHTTQMIKAWQVDPVEKRRRLLESRGPDALDVRVLKINNPLITVDECLQALEE	239
Qy	236	VFGSVSSRDAQIKFLNTYQNPGEKLSAYVIRLEPLQKVKVEGAIDKDNVNOARLEQVI	295
Db	240	VFGVTDPRELQVKYLTYYQKDEKLSAYVIRLEPLQKVKVEGAIDKDNVNOARLDQVI	299
Qy	296	AGANHSAGAIRQLWLTGAGEGPG	318
Db	300	AGAVHK-TIRRELNPEDGPAPG	321

RESULT 8

US-09-804-014A-16
 ; Sequence 16, Application US/09804014A
 ; Publication No. US20030064489A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Li, Li
 ; APPLICANT: Padigaru, Muralidhara
 ; APPLICANT: Vernhet, Corine
 ; APPLICANT: Fernandes, Elma
 ; APPLICANT: Shimkete, Richard
 ; APPLICANT: Spaderna, Steven
 ; APPLICANT: Majumder, Kumud
 ; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
 ; FILE REFERENCE: 15966-721 US
 ; CURRENT APPLICATION NUMBER: US/09/804,014A
 ; CURRENT FILING DATE: 2002-04-24
 ; PRIOR APPLICATION NUMBER: 60/188,316
 ; PRIOR FILING DATE: 2000-03-10
 ; PRIOR APPLICATION NUMBER: 60/188,277
 ; PRIOR FILING DATE: 2000-03-10
 ; PRIOR APPLICATION NUMBER: 60/189,139
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: 60/189,140
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: 60/190,401
 ; PRIOR FILING DATE: 2000-03-17
 ; PRIOR APPLICATION NUMBER: 60/190,231
 ; PRIOR FILING DATE: 2000-03-17
 ; NUMBER OF SEQ ID NOS: 75
 ; SOFTWARE: Patent In Ver. 2.1
 ; SEQ ID NO 16
 ; LENGTH: 351
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-804-014A-16

Query Match 51.3%; Score 887.5; DB 10; Length 351;
 Best Local Similarity 55.4%; Pred. No. 6.9e-78;
 Matches 179; Conservative 53; Mismatches 84; Indels 7; Gaps 5;

Qy	1	MAMTLLDWCRCMDVNSQRTLLVWGIPVNCDEAEIETLQAAAM-POVSYRMLGRMFWRRE	59
Db	1	MTLRLLDWCRCMDMNPRAKLLIAGISQSCSVAIEEALQAGLAPLGEYLLGRMFRDE	60

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; FILE REFERENCE: PF-0731-1 USA
; CURRENT APPLICATION NUMBER: US/11/048,692
; PRIOR FILING DATE: 2005-02-02
; PRIOR APPLICATION NUMBER: US/09/969,680
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 2483172CD1
US-11-048-692-7

Query Match          92.7%; Score 1602; DB 20; Length 353;
Best Local Similarity 96.6%; Pred. No. 7.2e-148;
Matches 308; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY 1 MAMTLLDWCRCMDVNSQRTLLVWGI PVNCDEAEIETLQAAMPQVSYRMLGRMFWEEN 60
Db 1 MAMTLLDWCRCMDVNSQRTLLVWGI PVNCDEAEIETLQAAMPQVSYRMLGRMFWEEN 60
QY 61 AKAALLELTGAVDYAAIIPREMPGKGVKVLFPKPTSDAEFLERLHLFLAREGWTVDVA 120
Db 61 AKAALLELTGAVDYAAIIPREMPGKGVKVLFPKPTSDAEFLERLHLFLAREGWTVDVA 120
QY 121 RVLGFNQPTPTPGPEMPAEMLNLYILDNVIQPLVESIWKRLTLFSGKHPRAWRGNFDPW 180
Db 121 RVLGFNQPTPTPGPEMPAEMLNLYILDNVIQPLVESIWKRLTLFSGKHPRAWRGNFDPW 180
QY 181 LEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPATTTAECLKALEQVFGSV 240
Db 181 LEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPATTTAECLKALEQVFGSV 240
QY 241 ESSRDAQIKFLNTYQNPGKLSAYVIRLEPLLQKVVEKGAIDKDNVQNQARLEQVIAGANH 300
Db 241 ESSRDAQIKFLNTYQNPGKLSAYVIRLEPLLQKVVEKGAIDKDNVQNQARLEQVIAGANH 300
QY 301 SGAIRQLWLTGAGEGPGP 319
Db 301 SGAIRQLWLTGAGEGPGP 319

RESULT 6
US-09-804-014A-39
; Sequence 39, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shimkets, Richard
; APPLICANT: Spaderma, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14

; FILE REFERENCE: PF-0731-1 USA
; CURRENT APPLICATION NUMBER: US/09/969,680A
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
US-09-969-680A-7

Query Match          92.7%; Score 1602; DB 10; Length 353;
Best Local Similarity 96.6%; Pred. No. 7.2e-148;
Matches 308; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY 1 MAMTLLDWCRCMDVNSQRTLLVWGI PVNCDEAEIETLQAAMPQVSYRMLGRMFWEEN 60
Db 1 MAMTLLDWCRCMDVNSQRTLLVWGI PVNCDEAEIETLQAAMPQVSYRMLGRMFWEEN 60
QY 61 AKAALLELTGAVDYAAIIPREMPGKGVKVLFPKPTSDAEFLERLHLFLAREGWTVDVA 120
Db 61 AKAALLELTGAVDYAAIIPREMPGKGVKVLFPKPTSDAEFLERLHLFLAREGWTVDVA 120
QY 121 RVLGFNQPTPTPGPEMPAEMLNLYILDNVIQPLVESIWKRLTLFSGKHPRAWRGNFDPW 180
Db 121 RVLGFNQPTPTPGPEMPAEMLNLYILDNVIQPLVESIWKRLTLFSGKHPRAWRGNFDPW 180
QY 181 LEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPATTTAECLKALEQVFGSV 240
Db 181 LEHTNEVLEEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPATTTAECLKALEQVFGSV 240
QY 241 ESSRDAQIKFLNTYQNPGKLSAYVIRLEPLLQKVVEKGAIDKDNVQNQARLEQVIAGANH 300
Db 241 ESSRDAQIKFLNTYQNPGKLSAYVIRLEPLLQKVVEKGAIDKDNVQNQARLEQVIAGANH 300
QY 301 SGAIRQLWLTGAGEGPGP 319
Db 301 SGAIRQLWLTGAGEGPGP 319

RESULT 5
US-11-048-692-7
; Sequence 7, Application US/11048692
; Publication No. US2005012390A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti; YUE, Henry
; APPLICANT: TANG, Y. Tom; BANDMAN, Olga
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.; LU, Dying Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731-1 USA
; CURRENT APPLICATION NUMBER: US/09/969,680A
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
US-09-969-680A-7
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Qy	121	RVLGFQNPPTPTGPPMPAPMLNYILDNVIQPLVSIWYKRLTLFSGKGHPRAWGNFDPW	180
Db	121	RVLGFQNPPTPTGPPMPAPMLNYILDNVIQPLVSIWYKRLTLFSGKGHPRAWGNFDPW	180
Qy	181	LHSTNEVLEEWQSVDEKRRRLMESLGPAADVIRILKSNNPATTTAECCLKALEQVFGSV	240
Db	181	LHSTNEVLEEWQSVDEKRRRLMESLGPAADVIRILKSNNPATTTAECCLKALEQVFGSV	240
Qy	241	ESSRDAQIKFLNTYQNPGKLSAVYIRLEPLLQKVKEGAIDKDNVNNQARLEOVIAANH	300
Db	241	ESSRDAQIKFLNTYQNPGKLSAVYIRLEPLLQKVKEGAIDKDNVNNQARLEOVIAANH	300
Qy	301	SCAIRRQLWLTGAGEGPGPKPLSVAGADP	329
Db	301	SCAIRRQLWLTGAGEGPGPKPLSVAGADP	329

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Db      121  RVLGFGNPPTPGGEMPAEMLNLYLDNVIQPLVESYIVKRLTILFSGKGHPRAWRGNFDPW 180
Qy      181  LEHTNEVLBEWQSDVEKRRRLMESLRGPAADVIRILKSNNPATTTAECLKALEQVFGSV 240
Db      181  LEHTNEVLBEWQSDVEKRRRLMESLRGPAADVIRILKSNNPATTTAECLKALEQVFGSV 240
Qy      241  ESSRDAQIKFLNTYQNQGEKLSAVVIRLEPLLQKVKEGATDKDNVNOARLEQVITAGANH 300
Db      241  ESSRDAQIKFLNTYQNQGEKLSAVVIRLEPLLQKVKEGATDKDNVNOARLEQVITAGANH 300
Qy      301  SGAIRRQLWLTLTGAGEGPG 318
Db      301  SGAIRRQLWLTLTGAGEGPG 318

RESULT 3
US-09-965-529-7
; Sequence 7, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Valda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dying Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731 USA
; CURRENT APPLICATION NUMBER: US/09/965,529
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRP
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1
US-09-965-529-7

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	Query Match	96.4%	Score 1666;	DB 10;	Length 318;
	Best Local Similarity	99.7%;	Pred. No. 3.3e-154;		
	Matches 317;	Conservative 0;	Mismatches 1;	Indels 0;	Gaps 0;
Qy	1	MAMTLLDWCRCGMDVNSQRTLLVWGIPVNCDEAEIETLQAAMPQVSYRMLGRMFWREEN	60		
Db	1	MAMTLLDWCRCGMDVNSQRLXLLVWGIPVNCDEAEIETLQAAMPQVSYRMLGRMFWREEN	60		
Qy	61	AKAAELLELTGAVDYAAIIPREMPGKGGVKKVLPKPTTSDAEFLERLHLFLAREGWTVDVA	120		
Db	61	AKAAELLELTGAVDYAAIIPREMPGKGGVKKVLPKPTTSDAEFLERLHLFLAREGWTVDVA	120		
Qy	121	RVLGFQNPPTTPGEMPAEMLNILDNIQPLVESIWKYKRLTLFGSKGHPRAWGNFPDW	180		

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OM protein - protein search, using sw model

Run on: August 26, 2005, 16:45:49 ; Search time 87.4087 Seconds
(without alignments)
1478.945 Million cell updates/sec

Title: US-10-037-860-4
Perfect score: 1729
Sequence: 1 MAMTLLEDWCRGMDVNSQRT.....LTGAGEGPGKPLSVAGADP 329

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1767149 seqs, 392926209 residues

Total number of hits satisfying chosen parameters: 1767149

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/prodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/prodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/prodata/1/pubpaa/US05_NEW_PUB.pep.*
- 4: /cgn2_6/prodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/prodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/prodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/prodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/prodata/1/pubpaa/US09_PUBCOMB.pep.*
- 10: /cgn2_6/prodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/prodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/prodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/prodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/prodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/prodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/prodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/prodata/1/pubpaa/US10E_PUBCOMB.pep.*
- 18: /cgn2_6/prodata/1/pubpaa/US10_NEW_PUB.pep.*
- 19: /cgn2_6/prodata/1/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/prodata/1/pubpaa/US11_NEW_PUB.pep.*
- 21: /cgn2_6/prodata/1/pubpaa/US60_NEW_PUB.pep.*
- 22: /cgn2_6/prodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	1729	100.0	329	13	US-10-037-860-4
2	1666	96.4	318	10	US-09-804-014A-40
3	1602	92.7	353	9	US-09-965-529-7
4	1602	92.7	353	10	US-09-969-680A-7
5	1602	92.7	353	20	US-11-048-692-7
6	887.5	51.3	321	10	US-09-804-014A-39
7	887.5	51.3	351	9	US-09-965-529-1
8	887.5	51.3	351	10	US-09-804-014A-16
9	887.5	51.3	351	10	US-09-969-680A-1
10	887.5	51.3	351	15	US-10-341-434-10
11	887.5	51.3	351	20	US-11-048-692-1

12	874.5	50.6	312	10	US-09-804-014A-73	Sequence 73, Appl
13	874.5	50.6	312	10	US-09-804-014A-74	Sequence 74, Appl
14	770.5	44.6	364	17	US-10-504-329-3	Sequence 3, Appl
15	766.5	44.3	463	13	US-10-037-860-13	Sequence 13, Appl
16	744	43.0	452	16	US-10-408-765A-2385	Sequence 2385, Ap
17	620	35.9	399	15	US-10-094-749-1978	Sequence 1978, Ap
18	564	32.6	283	13	US-10-037-860-11	Sequence 11, Appl
19	441	25.5	195	13	US-10-037-860-7	Sequence 7, Appl
20	353.5	20.4	120	10	US-09-804-014A-41	Sequence 41, Appl
21	338.5	19.6	120	10	US-09-804-014A-42	Sequence 42, Appl
22	335.5	19.4	403	15	US-10-094-466-38	Sequence 38, Appl
23	332	19.2	402	17	US-10-959-539-28	Sequence 26, Appl
24	326	18.9	337	15	US-10-296-115-1208	Sequence 1208, Ap
25	304	17.6	204	14	US-10-029-386-33747	Sequence 33747, A
26	256.5	14.8	149	13	US-10-037-860-9	Sequence 9, Appl
27	246.5	14.3	116	9	US-09-864-761-34645	Sequence 34645, A
28	192	11.1	538	16	US-10-408-765A-2992	Sequence 2992, Ap
29	133	7.7	584	15	US-10-291-172-355	Sequence 355, App
30	133	7.7	584	15	US-10-221-278-355	Sequence 355, App
31	120.5	7.0	5245	14	US-10-329-079-45	Sequence 45, Appl
32	115.5	6.7	555	15	US-10-282-122A-49641	Sequence 49641, A
33	114.5	6.6	555	15	US-10-282-122A-50770	Sequence 50770, A
34	114	6.6	558	15	US-10-282-122A-65151	Sequence 65151, A
35	111	6.4	558	15	US-10-282-122A-66072	Sequence 66072, A
36	109	6.3	531	15	US-10-369-493-17979	Sequence 17979, A
37	108	6.2	558	18	US-10-988-943-15	Sequence 15, Appl
38	107.5	6.2	526	15	US-10-282-122A-47973	Sequence 47973, A
39	106.5	6.2	409	17	US-10-492-928A-159	Sequence 159, App
40	106.5	6.2	503	9	US-09-738-626-5485	Sequence 5485, Ap
41	104.5	6.0	556	15	US-10-282-122A-58461	Sequence 58461, A
42	103	6.0	517	16	US-10-425-115-269372	Sequence 269372,
43	103	6.0	935	14	US-10-080-608A-25	Sequence 25, Appl
44	103	6.0	935	15	US-10-370-685-114	Sequence 114, App
45	103	6.0	1071	16	US-10-425-115-362079	Sequence 362079,

ALIGNMENTS

RESULT 1
US-10-037-860-4
; Sequence 4, Application US/10037860
; Publication No. US2002023114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 329
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-4

Query Match	100.0%;	Score 1729;	DB 13;	Length 329;
Best Local Similarity	100.0%;	Pred. No. 2.4e-160;		
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Qy	61	AKAALLELTGAVDYAAIPREMFGKGVKVLFPKPTSDAEFLERLHLFLAREGWTQDVA	120	
Db	61	AKAALLELTGAVDYAAIPREMFGKGVKVLFPKPTSDAEFLERLHLFLAREGWTQDVA	120	

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/055,097
; FILING DATE: Filled Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cerrone, Michael C.
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PF-0490 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 378 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: DUODNOT02
; CLONE: 1705085
; US-09-055-097-1

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Best Local Similarity 23.9%; Pred. No. 0.38;
Matches 61; Conservative 26; Mismatches 89; Indels 79; Gaps 15;

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Db 101 RGLRVQTLFLGEPNAQHP--VMGSGSGLASESAQGDILQAAP-QDSYRNLTSLTSG 157
QY 54 MFWREENAKAALLELTCAVD-YAAIPREMP-----GKGGVWKVLFKPP-TSDAEFLERL 105
Db 158 LNWAEKCPHARYVLYKTDDDDVYVNPVELVSELVLRGRGWQWERTPEQREAEQGGQVL 217
QY 106 H-----LFLAREGWTQDVARVLGFQNPPTTPGPEMPAEMLNLYLDNVIQPLVESIWK 159
Db 218 HSEVPPLLYLGRVHVRV-----NPSRTPGGR-----HRVSEEQW-- 251
QY 160 RLTLFSGKHPRAWGNFDPWLEHTNVELEWQVS-----DVEKRRRLMESLRGPAADVIRI 216
Db 252 -----PHTW-GPPFPYASGTGYLSASAVQLILKVASRAPLL-----PLEDVFG 295
QY 217 LKSNNPATTTAECLK 231
Db 296 VSARRGGLAPTQCVK 310

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Search completed: August 26, 2005, 16:50:22
Job time : 26.8083 secs

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; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 828-103P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-241-1300
; TELEFAX: 703-241-2848
;
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2431 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-08-466-277-2

Query Match          5.3%; Score 92.5; DB 3; Length 2431;
Best Local Similarity 19.6%; Pred. No. 6.4;
Matches 74; Conservative 50; Mismatches 112; Indels 141; Gaps 15;

Qy 52 GRMFWEENAKAALLELTGAVDYAAIPREMPGKGWVKVLPKPTSDAEFLERLHLFL-- 109
Db 865 GKWRITNPNCKPIIIDTTG-----QTKPKGDIIVLCFRGWAKQLQLDYRGHEVMTA 916
Qy 110 -AREGWTQDVARVLGFQNTPTTPGPEMPAEMLYILDNVIQPLVESIWKRLTLFSGKG 168
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Qy 169 HPRAWGNFDPWLEHTNEV-----LEEMQVSDVEKERRLMESLRGPAADV----- 213
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Qy 214 -----IRILKSNNPATITTA-----ECLKALEQV----- 236
Db 1013 NVCWAKSLVPVLDTAGIRLTAEWSTIITAFKEDRAYSPVVALNEICTKYGVVDLSGLF 1072
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RESULT 14
US-09-688-842-2
; Sequence 2, Application US/09688842
; Patent No. 670283
; GENERAL INFORMATION:
; APPLICANT: Garoff, Henrik
; Lilljestrom, Peter
; TITLE OF INVENTION: DNA Expression Systems Based on
; Alphaviruses
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch
; STREET: P.O. Box 747
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/688,842
; FILING DATE: 17-Oct-2000

;
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/466,277
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Murphy Jr., Gerald M.
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 828-103P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-241-1300
; TELEFAX: 703-241-2848
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2431 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-688-842-2

Query Match          5.3%; Score 92.5; DB 4; Length 2431;
Best Local Similarity 19.6%; Pred. No. 6.4;
Matches 74; Conservative 50; Mismatches 112; Indels 141; Gaps 15;

Qy 52 GRMFWEENAKAALLELTGAVDYAAIPREMPGKGWVKVLPKPTSDAEFLERLHLFL-- 109
Db 865 GKWRITNPNCKPIIIDTTG-----QTKPKGDIIVLCFRGWAKQLQLDYRGHEVMTA 916
Qy 110 -AREGWTQDVARVLGFQNTPTTPGPEMPAEMLYILDNVIQPLVESIWKRLTLFSGKG 168
Db 917 AASQGLTRKGYAVRQVKNENPLYAP--ASEHVNLLTRTEDRLV-----WKTILA----- 964
Qy 169 HPRAWGNFDPWLEHTNEV-----LEEMQVSDVEKERRLMESLRGPAADV----- 213
Db 965 -----GDPWIKVLSNIPQGNFTATLEBWQ-----EEHDKIMKVIETGPAAPVDAFONKA 1012
Qy 214 -----IRILKSNNPATITTA-----ECLKALEQV----- 236
Db 1013 NVCWAKSLVPVLDTAGIRLTAEWSTIITAFKEDRAYSPVVALNEICTKYGVVDLSGLF 1072
Qy 237 -----FGSVESSR-DAQIKFLNTYQNPGEKLSAYVIRLEPL 271
Db 1073 SAPKVSLYENNHNDRNPGGRMYGFNAATAARLEAHTFLKGOWHTGKQAVIAERKIQPL 1132
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Db 1193 -----PLNVTGAD 1200

RESULT 15
US-09-055-097-1
; Sequence 1, Application US/09055097
; Patent No. 5955282
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Corley, Neil C.
; APPLICANT: Shah, Purvi
; APPLICANT: Patterson, Chandra
; TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304
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; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 15988
; LENGTH: 2214
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-15988

Query Match          5.3%; Score 92.5; DB 4; Length 2214;
Best Local Similarity 21.0%; Pred. No. 5.5;
Matches 80; Conservative 46; Mismatches 136; Indels 119; Gaps 16;

Qy 25 GIPVNCDEABTEETLQAMPQVSYRMGLGRMFWRREENAKAALLELTGAV-----DYA 75
Db 395 GQPEDEAAALAEALQGPAPRRVEALL-----ARAALLESSGRMAAGQSLEAALA 445
Qy 76 AIPREMGKGVKVKLPKPTSDAEFLERHLFLAREGTVQDVVARVLGFQNP--TTPG 133
Db 446 LAPRHAQATAALQRLV-----RTREDWAA--LAELLSTEAPHVAPAEA 486
Qy 134 PEMAEMNLVILDNVIOPL-VESIWKRLTLTFSKKGHPR-----AWRGNFDPWLEHTN 185
Db 487 AMYAEALASLYLDRLSQVPAEALRQALRLSPSDAAVRRRLVSLVAERGE---LREAA 542
Qy 186 EVLEEMQVS-----DVEKRRL-----MESLRGP---AADVI 214
Db 543 ALLETAESATAHDAALLREGAGYARGAHDLDKALKLAKAHALVPAQGPPELASLAELL 602
Qy 215 RILKSNPAITTAELKALEQVFGSVSSRDAQIKFLNTTYQNPG-----KLSAY----- 264
Db 603 YLRGAVIEALPLQDALAAADFRSAPAEASTWLRLAELAEQTGETKRAVAAYRKLIVER 662
Qy 265 -----VIRLEPLLOKVEKAID-----KDNVNO-----ARLEQVIAGNHS 301
Db 663 PLCEAAVMRLAALLEKDDPRGAFDVRVTHAHALAPSEDVTQRLVELSARAREVLADA--- 719
Qy 302 GAIRRQLWLTCAGGPGPKPL 322
Db 720 -GVNAASLLARAASLASPELPL 739

RESULT 12
US-07-920-281C-2
; Sequence 2, Application US/07920281C
; Patent No. 5739026
; GENERAL INFORMATION:
; APPLICANT: Garoff, Henrik
; APPLICANT: Liljestrom, Peter
; TITLE OF INVENTION: DNA Expression Systems Based on
; TITLE OF INVENTION: Alphaviruses
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESS: Birch, Stewart, Kolasch & Birch
; STREET: P.O. Box 747
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/920,281C
; FILING DATE: 13-AUG-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Murphy Jr., Gerald M.
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 828-103P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-241-1300
; TELEFAX: 703-241-2848

; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2431 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-920-281C-2

Query Match          5.3%; Score 92.5; DB 1; Length 2431;
Best Local Similarity 19.6%; Pred. No. 6.4;
Matches 74; Conservative 50; Mismatches 112; Indels 141; Gaps 15;

Qy 52 GRMFWEENAKAALLBELTGAVDYAAIPREMPGKGVKVKLPKPTSDAEFLERHLPL-- 109
Db 865 GMRITTPNCPNKPIIIDTTG-----QTKPKPGDIVLTCFRGWAKQLQLDYRGHEVMTA 916
Qy 110 -AREGTVQDVVARVLGFQNPPTTPGPEMPAEMNLVILDNVIOPLVESIWKRLTLFSGKG 168
Db 917 AASQGLTRKGVAVROKVNENPLYAP--ASEHVNVLTRTEDRLV---WKTLA----- 964
Qy 169 HPRAMRGNFDPWLEHTNEV-----LEEWQVSDEKRRRLMESLRGPAADV----- 213
Db 965 -----GDPWIKVLSNIPQGNFTATLEEQ-----EEHDKIMKVIIEGPAAPVDAFQNK 1012
Qy 214 -----IRILKSNNPATTTA-----ECLKALEQV----- 236
Db 1013 NVCWAKSLVPVLDTAGIRLTAEWSTIITAFKEDRAYSPVVALNEICTKYGYVDLDSGLF 1072
Qy 237 -----FGSVSSR--DAOIKFLNTTYQNPGKLSAVVIRLEPL 271
Db 1073 SAPKSVLYENNHNWDRPGRMYGFNAAATAARLEAHTFLKGQWHTGKQKQVIAERKIQPL 1132
Qy 272 --LQKVE-----KGAIDKDNVNOARLEQVIAGANHSQAI--RRQLWLT 311
Db 1133 SVLDNVIPINRRLLPHALVAEYKTVKGSRVEMLVNKVGYHVLLVSEYNLALPRRRVTLS 1192
Qy 312 GAGEGPGPKPLSVAGAD 328
Db 1193 -----PLNVTGAD 1200

RESULT 13
US-08-466-277-2
; Sequence 2, Application US/08466277
; Patent No. 6190666
; GENERAL INFORMATION:
; APPLICANT: Garoff, Henrik
; APPLICANT: Liljestrom, Peter
; TITLE OF INVENTION: DNA Expression Systems Based on
; TITLE OF INVENTION: Alphaviruses
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESS: Birch, Stewart, Kolasch & Birch
; STREET: P.O. Box 747
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,277
; FILING DATE: 06-Jun-1995
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/920,281
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Murphy Jr., Gerald M.
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; Patent No. 6495336
; GENERAL INFORMATION:
; APPLICANT: Makowski, Lee
; APPLICANT: Hyman, Paul
; APPLICANT: Williams, Mark
; TITLE OF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES
; FILE REFERENCE: 8471-010-999
; CURRENT APPLICATION NUMBER: US/09/914,259
; CURRENT FILING DATE: 2000-11-21
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 935
; TYPE: PRT
; ORGANISM: Syncephalastrum racemosum
US-09-914-259-25

Query Match          6.0%; Score 103; DB 4; Length 935;
Best Local Similarity 21.7%; Pred. No. 0.091;
Matches 69; Conservative 56; Mismatches 121; Indels 72; Gaps 15;

Qy 16 NSQRTLLVWGIPVNCDAEIEETLQAAAMPQVSYRMLGRMFWRNKAALLENL-----68
Db 297 NSRTTLINCSPPSYNEAETLSTLRFGARAKSIKNKAKV-----NADLSPAELKALLKKV 351
Qy 69 -TGAVDYAAIPREMPGKGGVWVLFKPTSDAEFLERHLHLFLABEG-WTVQDVAVRVLGFQ 126
Db 352 KSEAVTYQTVAALLEGVNVWRTGCTVP-----EGKWVTMDKVSKGDFA 395
Qy 127 NPTTPGPMPAEMNLVINDVIOPLESYWKRLTLFSGKHPRAWRGNFDPLWLEHTNE 186
Db 396 GLPAPAFKSP-----VSDGSRPATPV-----PTLEKDRREBFIKRENE 435
Qy 187 VLEMQVSDVE---KRRRLMESLR---GPAADVIRILKSNPAITT--AECLKALEQVF 237
Db 436 LMD-QISEKETLTNREKLESLEEMGVYKEQSVTKENQOMTSELSELRLQLQKV- 492
Qy 238 GSVESSRDAQIKFLNTYQNGEKLASVIRLEPLQKV--VEKGAIDKNVQ--ARLEQ 293
Db 493 -SYESKENAIT--VDSLKEANQDLMABELEELKKNLSEMQAHKDATDSDKEKRAEKMAQ 549
Qy 294 VIAGANHSGAI---RRQL 308
Db 550 MMSGFDPFSGIINDXERQI 567

RESULT 6
US-09-368-590-2
; Sequence 2, Application US/09368590
; Patent No. 6187563
; GENERAL INFORMATION:
; APPLICANT: Solimena, Michele
; TITLE OF INVENTION: INTERACTING POLYPEPTIDES FOR
; FILE REFERENCE: 101918-200 (OCR-941)
; CURRENT APPLICATION NUMBER: US/09/368,590
; CURRENT FILING DATE: 1999-08-04
; EARLIER APPLICATION NUMBER: 60/095,657
; EARLIER FILING DATE: 1998-08-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 2293
; TYPE: PRT
; ORGANISM: Human
US-09-368-590-2

Query Match          5.8%; Score 100.5; DB 3; Length 2293;
Best Local Similarity 22.6%; Pred. No. 0.76; Indels 77; Gaps 18;
Matches 78; Conservative 51; Mismatches 139; Indels 77; Gaps 18;

Qy 9 WCRGMDVNSQR-----TLVWGIPVNCDE--ABIEETLQAAAMPQVSYRMLGRMFWRN 60
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Db 667 WNRIVELVEQRKEEMSAVLLVNHVLEVAEVRAQVREKRAV--ESAPRAGGALQWRLSG 724
Qy 61 AKAALLEL-----TGAVDYAAIPRE-MPGK-----GGVWVLFKPTSDAE----- 100
Db 725 LEAALQALEPRQAALLEEAALLAERFPAQAAXLHQGAELGAEWGALASAAQACGEAVAA 784
Qy 101 -----FLERLHLFLAREGWTQDVAVRVLGFQNPPTTPGPMPAEMNLNY-ILDNVIOPLV 153
Db 785 AGRLOQLFHLDDLDAFL---DWLVRAQAAAGSGEGLPNSLEEDALLARHAALKEEVDORE 841
Qy 154 ESIWYKRL-----TLFSGKHPRAWRGNFDPLWLEHT-----NEVLEEWQVSDVKRRRLME 204
Db 842 ED--YARIIVAASEALLAADGAELGPGGLALDDEWLPHLELGHWHKLLGLWKA-----RRKALVQ 895
Qy 205 S-----LRGPAADVIRILKSNPAITTAECLEKALEQVFGSVSSRDAQIKFLNTYQNG 258
Db 896 AHYQQLFLR-DLRQALVVLNRNQMALSGBELPGTVESVEEALKQHRD-----FLTTMELSQ 950
Qy 259 EKLSAVVIRLEPLL-----QKVEKGAIDKDNVNOARLEQ 293
Db 951 QKQVAVQAAGLURGNIYGEQAQEAQVTR-LLEKNOENQLRAQQ 994

RESULT 7
US-09-949-016-7309
; Sequence 7309, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7309
; LENGTH: 2600
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7309

Query Match          5.8%; Score 99.5; DB 4; Length 2600;
Best Local Similarity 22.6%; Pred. No. 1.2; Indels 77; Gaps 18;
Matches 78; Conservative 50; Mismatches 140; Indels 77; Gaps 18;

Qy 9 WCRGMDVNSQR-----TLVWGIPVNCDE--AEIETLQAAAMPQVSYRMLGRMFWRN 60
Db 1005 WNRIVELVEQRKEEMSAVLLVNHVLEVAEVRAQVREKRAV--ESAPRAGGALQWRLSG 1062
Qy 61 AKAALLEL-----TGAVDYAAIPRE-MPGK-----GGVWVLFKPTSDAE----- 100
Db 1063 LEAALQALEPRQAALLEEAALLAERFPAQAARLHQGAELGAEWGALASAAQACGEAVAA 1122
Qy 101 -----FLERLHLFLAREGWTQDVAVRVLGFQNPPTTPGPMPAEMNLNY-ILDNVIOPLV 153
Db 1123 AGRLOQLFHLDDLDAFL---DWLVRAQAAAGSGEGLPNSLEEDALLARHAALKEEVDORE 1179
Qy 154 ESIWYKRL-----TLFSGKHPRAWRGNFDPLWLEHT-----NEVLEEWQVSDVKRRRLME 204
Db 1180 ED--YARIIVAASEALLAADGAELGPGGLALDDEWLPHLELGHWHKLLGLWEA-----RRKALVQ 1233
Qy 205 S-----LRGPAADVIRILKSNPAITTAECLEKALEQVFGSVSSRDAQIKFLNTYQNG 258
Db 1234 AHYQQLFLR-DLRQALVVLNRNQMALSGBELPGTVESVEEALKQHRD-----FLTTMELSQ 1288
Qy 259 EKLSAVVIRLEPLL-----QKVEKGAIDKDNVNOARLEQ 293
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RESULT 2

US-09-189-527-13
; Sequence 13, Application US/09189527A
; Patent No. 6387639
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
; TITLE OF INVENTION: Antibodies
; FILE REFERENCE: SLK98-01
; CURRENT APPLICATION NUMBER: US/09/189,527A
; CURRENT FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 13
; LENGTH: 462
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-189-527-13

Query Match 43.2%; Score 747.5; DB 3; Length 462;
Best Local Similarity 49.8%; Pred. No. 1.7e-73;
Matches 153; Conservative 49; Mismatches 102; Indels 3; Gaps 2;
QY 7 EDWCRGMDVNSORTLLVWGIPVNCDEAEIETLQAAMPQVS-YRMLGRMFWEENAKAAL 65
DB 1 QDWCRGHLNTRCMLILGIPEDCGEDEFETLQACRHLGRYRVIGRMFRRENAQAIL 60
QY 66 LEUTGAVDYAAIPREMPGKGVWVLFKPTSDAEFLERLHLFLAREGWTVDVARVLGF 125
DB 61 LELAQDIDYALLPREIPGKGPWEVIVKPRNSDGEFLNRLNLEEBERRTVSDMNRVLGS 120
QY 126 QNTPTPGPEMPEMLNY--ILDNVIOPLVESIWKRLTLFSGKGHPRAWRGHFDPLWH 193
DB 121 DTNCSAPRVTVISPEFTWTAQTLGAAVQPLLEQMLYRELRFVSGNTTISPGALAFDAWLEH 180
QY 184 TNEVLEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPATTTAECLKALEQVFGVSESS 243
DB 181 TTEMLQWQVPEGEKRRRLMECLRGPAQVVGSLRASASITVEECLALQVFGVPESH 240
QY 244 RDAQIKFLNTYQNGEKLKSAVIRLEPLLOKVVEKGAKDKNNVQARLEQVITAGANHSGA 303
DB 241 KIAQVKLCKAYQAGEKVSFVLRLLEPLLQRAVENNVSRNNVQTLRKRLVLSGATLPDK 300
QY 304 IRQLWL 310
DB 301 LRDKLKL 307

RESULT 3

US-09-189-527-7
; Sequence 7, Application US/09189527A
; Patent No. 6387639
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
; TITLE OF INVENTION: Antibodies
; FILE REFERENCE: SLK98-01
; CURRENT APPLICATION NUMBER: US/09/189,527A
; CURRENT FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 195
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-189-527-7

Query Match 25.5%; Score 441; DB 3; Length 195;
Best Local Similarity 46.4%; Pred. No. 3e-40;

Matches 90; Conservative 37; Mismatches 61; Indels 6; Gaps 4;
QY 3 MTLLDWCRCMDVNSORTLLVWGIPVNCDEAEIETLQAAMPQVS-YRMLGRMFWEENAKAAL 61
DB 2 LALLDWCRCRMSVDEQKSLMVTGIPADFEAEIQEVLQETLSGLRSLRGLKIFRQENA 61
QY 62 KAALELTGAVDYAAIPREMPGKGVWVLFKPTSDAEFLERLHLFLAREGWTVDVAR 121
DB 62 NAVLLELLEDTVSAIPSEVQGGKGVWVLFKPTSDAEFLERLHLFLAREGWTVDVAR 121
QY 122 VLGFQ--NPTPTP--GPMPAEMLNYILDNVIOPLVESIWKRLTLFSGKGHPRAWRGH 177
DB 122 ALQGEALSPATVPCISPELLAHLGQMAHAPOPLL-PMRYRKLRFVSGSAVPAPBEESF 180
QY 178 DPLWLEHTNEVLEW 191
DB 181 EVWLEQATEIVKRW 194

RESULT 4

US-09-902-540-16701
; Sequence 16701, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 16701
; LENGTH: 551
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-16701

Query Match 6.4%; Score 110.5; DB 4; Length 551;
Best Local Similarity 21.5%; Pred. No. 0.0056;
Matches 71; Conservative 47; Mismatches 113; Indels 99; Gaps 17;

QY 60 NAKAALLELTGAVDYAAIPREMPGKGVWVLFKPTSDAEFLERLHLFLARE----- 112
DB 81 NVELGELKEIRATLDRF---NEVSAK-----FAEPMDSAE-MEKL---LAEQRLQDAI 126
QY 113 ---GW---TVO-----DVARVLG-----FQNP---TPTPGPE 135
DB 127 DAVNGWELDRRTIEMADALRLPGDADVTKLSGEKRRVALCHILLEKPDLLLLDEPTNH 186
QY 136 MPAEML-----NYILDNVIOPLVESIWKRLTLFSGKGHPRAWRG 175
DB 187 LDAESVAMLEQALKEYGTIVCTIHDRYFLDNAAEWILE-----LDRGEGVP--WKG 236
QY 176 NFDPLWLEHTNEVLEWQVSDVEKRRRLMESLRGPAADVIRILKSNNPATTTAECLKALEQ 235
DB 237 NYSSWLEQKQKRLLEEKSESHRQTKLREL-----EWRASPKARQAOKSAR-IAAYEE 290
QY 236 VFGSVESSEDAQIKFLNTYQNGEKLKSAVIRLEPLLOKVVEKGAKDKNNVQARLEQV- 294
DB 291 LLNQTDKEDATGEVIIP---FGPQLGGLVVEAKGLRKAYGDRLLIEDLNFKLPRGGIVG 347
QY 295 IAGANHSGAIRQLWLTGAGEGPGPKPLSV 324
DB 348 VIGPNGAGKTTILFRMMTGV-EKPDEGELNI 376

RESULT 5

US-09-914-259-25
; Sequence 25, Application US/09914259

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 26, 2005, 16:35:24 ; Search time 24.8083 Seconds
(without alignments)
989.972 Million cell updates/sec

Title: US-10-037-860-4

Perfect score: 1729

Sequence: 1 MAMTLLDRCRGMVNSQRT.....LTGAGEGPGPKPLSVAGADP 329

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
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3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PCUTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfilee1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1729	100.0	329	3	US-09-189-527-4
2	747.5	43.2	462	3	US-09-189-527-13
3	441	25.5	195	3	US-09-189-527-7
4	110.5	6.4	551	4	US-09-302-540-16701
5	103	6.0	935	4	US-09-914-259-25
6	100.5	5.8	2293	3	US-09-368-590-2
7	99.5	5.8	2600	4	US-09-949-016-7309
8	97.5	5.6	288	4	US-09-489-039A-12764
9	96	5.6	272	4	US-09-302-540-16406
10	93.5	5.4	573	4	US-09-328-352-6016
11	92.5	5.3	2214	4	US-09-902-540-15988
12	92.5	5.3	2431	1	US-07-920-281C-2
13	92.5	5.3	2431	3	US-08-466-277-2
14	92.5	5.3	2431	4	US-09-688-842-2
15	91.5	5.3	378	2	US-09-055-097-1
16	91.5	5.3	378	4	US-09-373-902-1
17	91.5	5.3	378	4	US-09-831-630-13
18	91.5	5.3	393	4	US-09-949-016-11567
19	91	5.3	565	4	US-09-543-681A-5919
20	90	5.2	688	4	US-09-252-991A-32748
21	89.5	5.2	880	4	US-09-489-039A-12446
22	89	5.1	178	4	US-09-489-039A-11551
23	88.5	5.1	389	4	US-09-252-991A-22086
24	88.5	5.1	499	4	US-09-902-540-14146
25	88.5	5.1	4872	4	US-09-424-783-3
26	87.5	5.1	588	4	US-09-438-185A-23
27	87	5.0	600	3	US-09-212-971-12

28	87	5.0	600	3	US-08-800-929A-12	Sequence 12, Appl
29	87	5.0	600	3	US-09-617-053A-12	Sequence 12, Appl
30	87	5.0	1300	4	US-09-543-681A-4501	Sequence 4501, Ap
31	86.5	5.0	373	4	US-09-328-352-7009	Sequence 7009, Ap
32	86	5.0	555	4	US-09-492-709A-308	Sequence 308, App
33	86	5.0	854	4	US-09-134-000C-4673	Sequence 4673, Ap
34	85	4.9	469	3	US-08-985-335-9	Sequence 9, Appli
35	85	4.9	469	3	US-09-410-372-9	Sequence 9, Appli
36	85	4.9	1209	4	US-09-252-991A-25844	Sequence 25844, A
37	84.5	4.9	1105	3	US-08-999-774A-2	Sequence 2, Appli
38	84.5	4.9	4866	4	US-09-424-783-2	Sequence 2, Appli
39	84	4.9	406	4	US-09-328-352-6564	Sequence 6564, Ap
40	84	4.9	871	3	US-09-134-001C-3979	Sequence 3979, Ap
41	83.5	4.8	332	4	US-09-252-991A-24064	Sequence 24064, A
42	83.5	4.8	431	4	US-09-543-681A-6055	Sequence 6055, Ap
43	83	4.8	341	1	US-08-314-309A-19	Sequence 19, Appl
44	83	4.8	524	3	US-08-557-210A-3	Sequence 3, Appli
45	83	4.8	539	3	US-08-557-210A-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-09-189-527-4
; Sequence 4, Application US/09189527A
; Patent No. 6387639
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
; TITLE OF INVENTION: Antibodies
; FILE REFERENCE: SLK98-01
; CURRENT APPLICATION NUMBER: US/09/189,527A
; CURRENT FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 329
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-189-527-4

Query Match 100.0%; Score 1729; DB 3; Length 329;
Best Local Similarity 100.0%; Pred. No. 3.1e-182;
Matches 329; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MAMTLLDRCRGMVNSQRTLLVWGIPVNCDEAEIETLQAAMPQVSYRMLGRMFREEN	60
Db	1	MAMTLLDRCRGMVNSQRTLLVWGIPVNCDEAEIETLQAAMPQVSYRMLGRMFREEN	60
Qy	61	AKAALLETGADVAAIPREMPGKGWVKVLFKPPTSDAFFLERLHLFLAREGWTQDVA	120
Db	61	AKAALLETGADVAAIPREMPGKGWVKVLFKPPTSDAFFLERLHLFLAREGWTQDVA	120
Qy	121	RVLGFNQPTTPGPEMPAEMNLVLDNVIOPLVESIWKRLTLFSGKGHPRAWRGFDPW	180
Db	121	RVLGFNQPTTPGPEMPAEMNLVLDNVIOPLVESIWKRLTLFSGKGHPRAWRGFDPW	180
Qy	181	LEHTNEVLREWOVSDVEKRRRLMESLRGPAADVIRILKSNNPATITTAECUKALEQVFGSV	240
Db	181	LEHTNEVLREWOVSDVEKRRRLMESLRGPAADVIRILKSNNPATITTAECUKALEQVFGSV	240
Qy	241	ESSRDAQIKFLNTYQNPGKLSAYIRLEPLLOKVEKAIDKDNVNQARLEQVIAGANH	300
Db	241	ESSRDAQIKFLNTYQNPGKLSAYIRLEPLLOKVEKAIDKDNVNQARLEQVIAGANH	300
Qy	301	SGAIRQLMLTGAGEGPGPKPLSVAGADP	329
Db	301	SGAIRQLMLTGAGEGPGPKPLSVAGADP	329


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QY 117 SCMFRLQEQALS PATVPCISPELLAHLGQMAHAPQ---LLPMRYKRLRVFSGSVP 173
Db 160 IGTPFWMAPEVIQIGYNCVADIVSLGITAIEMAEGKRPYADIHMPR-----AIFMPTNP 215
QY 174 APEESPEVWLEQATEIVKE 193
Db 216 PPTFRKPELWSDNFTDFVKQ 235

Search completed: August 26, 2005, 16:50:23
Job time : 15.704 secs

RESULT 15
US-09-185-370-5
; Sequence 5, Application US/09185370
; Patent No. 6093560
; GENERAL INFORMATION:
; APPLICANT: Force, Thomas
; APPLICANT: Kyriakis, John M.
; APPLICANT: Pombo, Celia M.
; APPLICANT: Bonventure, Joseph
; TITLE OF INVENTION: SOK-1 AND METHODS OF USE
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq For Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/185,370
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/852,743
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fraser, Janis K.
; REGISTRATION NUMBER: 34,819
; REFERENCE/DOCKET NUMBER: 00786/327001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 270 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-185-370-5

Query Match 8.1%; Score 80.5; DB 3; Length 270;
Best Local Similarity 22.0%; Pred. No. 2.5;
Matches 44; Conservative 26; Mismatches 85; Indels 45; Gaps 6;

QY 2 LALLEDRCIMSVDE-----QKSLMVTGIPADFEAEIQEVLOETLKSIGRYRLLGKIFR 56
Db 73 LWIWEYCGAGSVSDIIRLNKTL-----TEDEIATILQSTLKGLEYLHPMKIHR 123
QY 57 KOENANAVLLELLEDDTVSAIPSEVQGGVWKVIFKTPNQDTEFLERLNLFLKEGQTV 116
Db 124 DIRAGNILL-----NTEGHAKLADFGVAGQLTDTMAKRN-----TV 159
QY 117 SCMFRLQEQALS PATVPCISPELLAHLGQMAHAPQ---LLPMRYKRLRVFSGSVP 173
Db 160 IGTPFWMAPEVIQIGYNCVADIVSLGITAIEMAEGKRPYADIHMPR-----AIFMPTNP 215
QY 174 APEESPEVWLEQATEIVKE 193
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: August 26, 2005, 16:45:49 ; Search time 51.8076 Seconds
(without alignments)
1478.945 Million cell updates/sec

Title: US-10-037-860-7
Perfect score: 996
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Searched: 1767149 seqs, 392926209 residues

Total number of hits satisfying chosen parameters: 1767149

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
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- Database :
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 - 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
 - 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
 - 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
 - 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
 - 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
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 - 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
 - 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
 - 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
 - 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
 - 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
 - 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
 - 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
 - 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
 - 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
 - 17: /cgn2_6/ptodata/1/pubpaa/US10E_PUBCOMB.pep.*
 - 18: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
 - 19: /cgn2_6/ptodata/1/pubpaa/US11A_PUBCOMB.pep.*
 - 20: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
 - 21: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
 - 22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	996	100.0	195	13	US-10-037-860-7 Sequence 7, Appli
2	982	98.6	364	17	US-10-504-329-3 Sequence 3, Appli
3	604	60.6	120	10	US-09-804-014A-42 Sequence 42, Appl
4	593	59.5	283	13	US-10-037-860-11 Sequence 11, Appl
5	466	46.8	353	9	US-09-965-529-7 Sequence 7, Appli
6	466	46.8	353	10	US-09-969-680A-7 Sequence 7, Appli
7	466	46.8	353	20	US-11-048-692-7 Sequence 7, Appli
8	462.5	46.4	463	13	US-10-037-860-13 Sequence 13, Appl
9	441	44.3	329	13	US-10-037-860-4 Sequence 4, Appli
10	440	44.2	318	10	US-09-804-014A-40 Sequence 40, Appl
11	436	43.8	312	10	US-09-804-014A-73 Sequence 73, Appl

12	436	43.8	312	10	US-09-804-014A-74	Sequence 74, Appl
13	436	43.8	321	10	US-09-804-014A-39	Sequence 39, Appli
14	436	43.8	351	9	US-09-965-529-1	Sequence 1, Appli
15	436	43.8	351	10	US-09-804-014A-16	Sequence 16, Appl
16	436	43.8	351	10	US-09-969-680A-1	Sequence 1, Appli
17	436	43.8	351	15	US-10-341-434-10	Sequence 10, Appl
18	436	43.8	351	20	US-11-048-692-1	Sequence 1, Appli
19	434	43.6	452	16	US-10-408-765A-2385	Sequence 2385, Ap
20	345	34.6	399	15	US-10-094-749-1978	Sequence 1978, Ap
21	327.5	32.9	204	14	US-10-029-386-33747	Sequence 33747, A
22	306	30.7	120	10	US-09-804-014A-41	Sequence 41, Appl
23	270	27.1	116	9	US-09-864-761-34645	Sequence 34645, A
24	146	14.7	538	16	US-10-408-765A-2992	Sequence 2992, Ap
25	137.5	13.8	584	15	US-10-291-172-355	Sequence 355, App
26	137.5	13.8	584	15	US-10-221-278-355	Sequence 355, App
27	99.5	10.0	403	15	US-10-094-466-38	Sequence 38, Appl
28	97.5	9.8	402	17	US-10-959-539-26	Sequence 26, Appl
29	92.5	9.3	337	15	US-10-296-115-1208	Sequence 1208, Ap
30	89	8.9	342	13	US-10-001-857-201	Sequence 201, App
31	87.5	8.8	255	13	US-10-087-192-213	Sequence 213, App
32	87.5	8.8	311	10	US-09-727-100-1	Sequence 1, Appli
33	87.5	8.8	1357	15	US-10-295-027-1199	Sequence 1199, Ap
34	87.5	8.8	3830	16	US-10-723-860-2568	Sequence 2568, Ap
35	87.5	8.8	3859	16	US-10-408-765A-354	Sequence 354, App
36	86	8.6	792	16	US-10-739-930-5794	Sequence 5794, Ap
37	86	8.6	1083	15	US-10-369-493-4443	Sequence 4443, Ap
38	86	8.6	1083	15	US-10-369-493-7202	Sequence 7202, Ap
39	86	8.6	1084	15	US-10-282-122A-49912	Sequence 49912, A
40	85.5	8.6	407	15	US-10-369-493-17903	Sequence 17903, A
41	84.5	8.5	520	9	US-09-213-678-2	Sequence 2, Appli
42	84.5	8.5	520	14	US-10-032-585-7035	Sequence 7035, Ap
43	84.5	8.5	520	17	US-10-882-104-121	Sequence 121, App
44	84	8.4	336	9	US-09-745-763-17	Sequence 17, Appl
45	84	8.4	1638	13	US-10-090-458-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-10-037-860-7
; Sequence 7, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 195
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-7

Query Match	100.0%;	Score 996;	DB 13;	Length 195;
Best Local Similarity	100.0%;	Pred. No. 5.2e-92;		
Matches 195;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	PLALLEDWCRIMSVDEQKSLMTGTPADPEEAIEQVLOETLKSGRYRLLGKIFRKQEN	60	
Db	1	PLALLEDWCRIMSVDEQKSLMTGTPADPEEAIEQVLOETLKSGRYRLLGKIFRKQEN	60	
QY	61	ANAVLLELLEDTVSAIPSEVQKGVKVIKFTPNQDTEFLERLNLFLKEGQTVSGMF	120	
Db	61	ANAVLLELLEDTVSAIPSEVQKGVKVIKFTPNQDTEFLERLNLFLKEGQTVSGMF	120	

[illegible]

```

RESULT 2
US-10-504-329-3
; Sequence 3, Application US/10504329
; Publication No. US20050106569A1
; GENERAL INFORMATION:
; APPLICANT: Evotec NeuroSciences GmbH
; TITLE OF INVENTION: Diagnostic and therapeutic use of MA onconeural
; antigens for neurodegenerative diseases
; FILE REFERENCE: 030475wo ME/BM
; CURRENT APPLICATION NUMBER: US/10/504,329
; CURRENT FILING DATE: 2004-08-25
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-504-329-3

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RESULT 3
US-09-804-014A-42
; Sequence 42, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Pedigaru, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shinkets, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140

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; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 42
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-804-014A-42

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RESULT 4
US-10-037-860-11
; Sequence 11, Application US/10037850
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 283
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-11

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RESULT 5
US-09-965-529-7
; Sequence 7, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Yalda

; APPLICANT: BAUGHN, Mariah R.			
; APPLICANT: LU, Dyung Aina M.			
; APPLICANT: PATTERSON, Chandra			
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS			
; FILE REFERENCE: PF-0731 USA			
; CURRENT APPLICATION NUMBER: US/09/965,529			
; CURRENT FILING DATE: 2001-09-26			
; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315			
; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14			
; NUMBER OF SEQ ID NOS: 74			
; SOFTWARE: PERL Program			
; SEQ ID NO 7			
; LENGTH: 353			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
; NAME/KEY: misc feature			
; FEATURE:			
; OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1			
US-09-965-529-7			
Query Match 46.8%; Score 466; DB 9; Length 353;			
Best Local Similarity 47.9%; Pred. No. 3.7e-38;			
Matches 93; Conservative 38; Mismatches 57; Indels 6; Gaps 4;			
Qy	2 LALLEDCWRIMSVDEQKSLMVTGIPADFEAEIOEVLOETLKSIGRYLLGKIFRKQENA 61		
Db	3 MTLLEDWCGRGMDVNSQRALLVWGIPVNCDEAEIETLQAAMPQVS-YRMLGRMFWRENA 61		
Qy	62 NAVLLELLEDDTDSATPSEVQGGWKVIFKTPNQDTFELRLNLFLEKEGQTVSGMFR 121		
Db	62 KAALLELTGAVDYAAIPREMPGKGWVKVLPKPTSDAEFLERLHLFLAREGTVQDVAR 121		
Qy	122 ALGOEALSPATVPCISPPELLAHLGQAMAHAPQLL-PMRYRKLRVFSGSAPVAPPEESF 180		
Db	122 VLGFQ--NPTPTP--GPMPAEMNLNILDNVIQPLVESIWYKRLTLFSGRDIPOGGETF 177		
Qy	181 EVMLEQATEIVKEW 194		
Db	178 DPWLEHTNEVLEEW 191		
RESULT 6			
US-09-969-680A-7			
; Sequence 7, Application US/09969680A			
; Publication No. US20030124649A1			
; GENERAL INFORMATION:			
; APPLICANT: LAL, Preeti; YUE, Henry			
; APPLICANT: TANG, Y. Tom; BANDMAN, Olga			
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda			
; APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.			
; APPLICANT: PATTERSON, Chandra			
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS			
; FILE REFERENCE: PF-0731-1 USA			
; CURRENT APPLICATION NUMBER: US/09/969,680A			
; CURRENT FILING DATE: 2001-10-02			
; PRIOR APPLICATION NUMBER: US00/22315			
; PRIOR FILING DATE: 2000-08-14			
; PRIOR APPLICATION NUMBER: 60/149,641			
; PRIOR FILING DATE: 1999-08-17			
; PRIOR APPLICATION NUMBER: 60/164,203			
; PRIOR FILING DATE: 1999-11-09			
; NUMBER OF SEQ ID NOS: 74			
; SOFTWARE: PERL Program			
; SEQ ID NO 7			
; LENGTH: 353			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
; NAME/KEY: misc feature			
; FEATURE:			
; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1			
US-09-969-680A-7			
Query Match 46.8%; Score 466; DB 10; Length 353;			
Best Local Similarity 47.9%; Pred. No. 3.7e-38;			
Matches 93; Conservative 38; Mismatches 57; Indels 6; Gaps 4;			
Qy	2 LALLEDCWRIMSVDEQKSLMVTGIPADFEAEIOEVLOETLKSIGRYLLGKIFRKQENA 61		
Db	3 MTLLEDWCGRGMDVNSQRALLVWGIPVNCDEAEIETLQAAMPQVS-YRMLGRMFWRENA 61		
Qy	62 NAVLLELLEDDTDSATPSEVQGGWKVIFKTPNQDTFELRLNLFLEKEGQTVSGMFR 121		
Db	62 KAALLELTGAVDYAAIPREMPGKGWVKVLPKPTSDAEFLERLHLFLAREGTVQDVAR 121		
Qy	122 ALGOEALSPATVPCISPPELLAHLGQAMAHAPQLL-PMRYRKLRVFSGSAPVAPPEESF 180		
Db	122 VLGFQ--NPTPTP--GPMPAEMNLNILDNVIQPLVESIWYKRLTLFSGRDIPOGGETF 177		
Qy	181 EVMLEQATEIVKEW 194		
Db	178 DPWLEHTNEVLEEW 191		
RESULT 6			
US-09-969-680A-7			
; Sequence 7, Application US/09969680A			
; Publication No. US20030124649A1			
; GENERAL INFORMATION:			
; APPLICANT: LAL, Preeti; YUE, Henry			
; APPLICANT: TANG, Y. Tom; BANDMAN, Olga			
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda			
; APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.			
; APPLICANT: PATTERSON, Chandra			
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS			
; FILE REFERENCE: PF-0731-1 USA			
; CURRENT APPLICATION NUMBER: US/09/969,680A			
; CURRENT FILING DATE: 2001-10-02			
; PRIOR APPLICATION NUMBER: US00/22315			
; PRIOR FILING DATE: 2000-08-14			
; PRIOR APPLICATION NUMBER: 60/149,641			
; PRIOR FILING DATE: 1999-08-17			
; PRIOR APPLICATION NUMBER: 60/164,203			
; PRIOR FILING DATE: 1999-11-09			
; NUMBER OF SEQ ID NOS: 74			
; SOFTWARE: PERL Program			
; SEQ ID NO 7			
; LENGTH: 353			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
; NAME/KEY: misc feature			
; FEATURE:			
; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1			
US-09-969-680A-7			
Query Match 46.8%; Score 466; DB 10; Length 353;			
Best Local Similarity 47.9%; Pred. No. 3.7e-38;			
Matches 93; Conservative 38; Mismatches 57; Indels 6; Gaps 4;			
Qy	2 LALLEDCWRIMSVDEQKSLMVTGIPADFEAEIOEVLOETLKSIGRYLLGKIFRKQENA 61		
Db	3 MTLLEDWCGRGMDVNSQRALLVWGIPVNCDEAEIETLQAAMPQVS-YRMLGRMFWRENA 61		
Qy	62 NAVLLELLEDDTDSATPSEVQGGWKVIFKTPNQDTFELRLNLFLEKEGQTVSGMFR 121		
Db	62 KAALLELTGAVDYAAIPREMPGKGWVKVLPKPTSDAEFLERLHLFLAREGTVQDVAR		

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RESULT 8
US-10-037-860-13
; Sequence 13, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 463
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-13

Query Match      46.4%; Score 462.5; DB 13; Length 463;
Best Local Similarity 47.7%; Pred. No. 1.2e-37;
Matches 93; Conservative 34; Mismatches 65; Indels 3; Gaps 2;

Qy 1 PLALLEDWCRIMSVDEQKSLMVTGIPADFEAEIQVLTSLKSLGRYLLGKIFRKQEN 60
Db 2 PLTLQDWCRCGEHLNTRCMLILGIPDCGDEFEETLQEACRHGRLGRYVIGRMFRREN 61
Qy 61 ANAVLLELLEDDTVSAIPSEVQGGKGVKVIKFTPNQDTEFLERLNLFLKEGQTVSGMF 120
Db 62 AQAILLELAQIDVALLPEIPGKGPEWIVKPRNSDGBFLNRLNLFLEERRTVSDMN 121
Qy 121 RALQGEALSPATVPCISPPELLAHLGQAMAHAPQPLL-PMRYRKLRFVFGSAVPAPPEES 179
Db 122 RVLGSDTNCSPRTVISPEFWT--WAQTLGAAVQPLLQMLYRELRFVSGNTISIPGALA 179
Qy 180 FEWLEQATEIVKEM 194
Db 180 FDAWLEHTTEMLQWM 194

RESULT 9
US-10-037-860-4
; Sequence 4, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 329
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-4

Query Match      44.3%; Score 441; DB 13; Length 329;
Best Local Similarity 46.4%; Pred. No. 1.1e-35;
Matches 90; Conservative 37; Mismatches 61; Indels 6; Gaps 4;

Qy 2 LALLEDWCRIMSVDEQKSLMVTGIPADFEAEIQVLTSLKSLGRYLLGKIFRKQENA 61
```

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Db 3 MTLLEDWCRGMDVNSQRTLLVWGIPVNCDEABIEETLQAMPQVS-YRMLGRMFWREENA 61
Qy 62 NAVLLELLEDDTVSAIPSEVQGGKGVKVIKFTPNQDTEFLERLNLFLKEGQTVSGMFR 121
Db 62 KAALLETGAVDYAAIPREMPGKGGVKKVLFKPPSTDFAEFLERLHLFLAREGWTVDVAR 121
Qy 122 ALQGEALSPATVPCISPPELLAHLGQAMAHAPQPLL-PMRYRKLRFVFGSAVPAPPEESF 180
Db 122 VLGfq--NPTTP--GPMPAEMLVILNDVIOPLVESIWYKRLTLFSGKGHPRAWRGNF 177
Qy 181 FEWLEQATEIVKEM 194
Db 178 DPWLEHTNEVLEEW 191

RESULT 10
US-09-804-014A-40
; Sequence 40, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shimkets, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (20)
; OTHER INFORMATION: Wherein Xaa is any amino acid as defined in the
; OTHER INFORMATION: specification
US-09-804-014A-40

Query Match      44.2%; Score 440; DB 10; Length 318;
Best Local Similarity 46.4%; Pred. No. 1.3e-35;
Matches 90; Conservative 36; Mismatches 62; Indels 6; Gaps 4;

Qy 2 LALLEDWCRIMSVDEQKSLMVTGIPADFEAEIQVLTSLKSLGRYLLGKIFRKQENA 61
Db 3 MTLLEDWCRGMDVNSQRTLLVWGIPVNCDEABIEETLQAMPQVS-YRMLGRMFWREENA 61
Qy 62 NAVLLELLEDDTVSAIPSEVQGGKGVKVIKFTPNQDTEFLERLNLFLKEGQTVSGMFR 121
Db 62 KAALLETGAVDYAAIPREMPGKGGVKKVLFKPPSTDFAEFLERLHLFLAREGWTVDVAR 121
Qy 122 ALQGEALSPATVPCISPPELLAHLGQAMAHAPQPLL-PMRYRKLRFVFGSAVPAPPEESF 180
Db 122 VLGfq--NPTTP--GPMPAEMLVILNDVIOPLVESIWYKRLTLFSGKGHPRAWRGNF 177
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QY 181 EVWLEQATEIVKEW 194
Db 178 DPMLEHTNEVLEEW 191

RESULT 11
US-09-804-014A-73
; Sequence 73, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shinkets, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 73
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-804-014A-74

Query Match 43.8%; Score 436; DB 10; Length 312;
Best Local Similarity 46.9%; Pred. No. 3.3e-35;
Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

QY 2 LALLEDCWCRIMSVDEQKSLMVTGIPADFEAEIQEVLQETLSIGRYLLGKIFRKOENA 61
Db 3 LRLEDDWCRCMDMNPCKALLIAGISQSCSVAEIEEALQAGLAPLGLEYRLLGRMFRDENR 62
QY 62 NAVLLELLEDDTDSAIPSEVQGGKGVKVIKFTPNQDTFLERLNLFLEKEGQTVSGMFR 121
Db 63 KVALVGLTAETSHALVPKEIPKGGIWRVIFKPPDPDNTFLSRINEFLAGEGWTVGELSR 122
QY 122 ALGQEALSPATVPCISPELLAHLHGQAMAHAPQPLP-MRYRKLRFVSGSAVPAPEEESF 180
Db 123 ALGHENGSLDPEQGMIPENWAPMLAQL-EALQPALQCLKYKRLRVFSGRESPEPEEESF 181
QY 181 EVWLEQATEIVKEW 194
Db 182 GRWFHTTQMIKAW 195

RESULT 12
US-09-804-014A-74
; Sequence 74, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shinkets, Richard
; APPLICANT: Spaderna, Steven
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-804-014A-75

Query Match 43.8%; Score 436; DB 10; Length 312;
Best Local Similarity 46.9%; Pred. No. 3.3e-35;
Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

QY 2 LALLEDCWCRIMSVDEQKSLMVTGIPADFEAEIQEVLQETLSIGRYLLGKIFRKOENA 61
Db 3 LRLEDDWCRCMDMNPCKALLIAGISQSCSVAEIEEALQAGLAPLGLEYRLLGRMFRDENR 62
QY 62 NAVLLELLEDDTDSAIPSEVQGGKGVKVIKFTPNQDTFLERLNLFLEKEGQTVSGMFR 121
Db 63 KVALVGLTAETSHALVPKEIPKGGIWRVIFKPPDPDNTFLSRINEFLAGEGWTVGELSR 122
QY 122 ALGQEALSPATVPCISPELLAHLHGQAMAHAPQPLP-MRYRKLRFVSGSAVPAPEEESF 180
Db 123 ALGHENGSLDPEQGMIPENWAPMLAQL-EALQPALQCLKYKRLRVFSGRESPEPEEESF 181
QY 181 EVWLEQATEIVKEW 194
Db 182 GRWFHTTQMIKAW 195

RESULT 13
US-09-804-014A-39
; Sequence 39, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shinkets, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-804-014A-74
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; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 39
; LENGTH: 321
; TYPE: PRF
; ORGANISM: Homo sapiens
US-09-804-014A-39

Query Match 43.8%; Score 436; DB 10; Length 321;
Best Local Similarity 46.9%; Pred. No. 3.4e-35;
Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

Qy 2 LALLEDCRIMSVDEQKSLMVTGIPADFEAEIQEVLQETLKSIGRYRLGKIFRQENA 61
Db 3 LRLLEDWCRGMNPRKALLIAGISQSCSVAEIEEALQAGLAPLGEYRLGMRFRDNR 62

Qy 62 NAVILLELDDTDSVAIPSEVQGGVWVKVIFKTPNQDTEFLERLNLFLKEGQTVSGMFR 121
Db 63 KVALVGLTAETSHALVPKEIPGKGIWRVIFKPPDPDNTFLSRNLFAGEGTVGELSR 122

Qy 122 ALGQEALSPATVPCISPELLAHLLGQAMAHAPQLLP-MRYRKLRVFGSAVPAPBEESF 180
Db 123 ALGHENGLDPEQGMIPEMWAPMLAQL-EALQPALQCLKYKLRVFGSRESPEEGEEF 181

Qy 181 EVWLEQATEIVKEW 194
Db 182 GRWMFHTTQMIKAW 195

RESULT 14
US-09-965-529-1
; Sequence 1, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731 USA
; CURRENT APPLICATION NUMBER: US/09/965,529
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 351
; TYPE: PRF
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
US-09-965-529-1

Query Match 43.8%; Score 436; DB 9; Length 351;
Best Local Similarity 46.9%; Pred. No. 3.9e-35;
Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

Qy 2 LALLEDCRIMSVDEQKSLMVTGIPADFEAEIQEVLQETLKSIGRYRLGKIFRQENA 61
Db 3 LRLLEDWCRGMNPRKALLIAGISQSCSVAEIEEALQAGLAPLGEYRLGMRFRDNR 62

Qy 62 NAVILLELDDTDSVAIPSEVQGGVWVKVIFKTPNQDTEFLERLNLFLKEGQTVSGMFR 121
Db 63 KVALVGLTAETSHALVPKEIPGKGIWRVIFKPPDPDNTFLSRNLFAGEGTVGELSR 122

Qy 122 ALGQEALSPATVPCISPELLAHLLGQAMAHAPQLLP-MRYRKLRVFGSAVPAPBEESF 180
Db 123 ALGHENGLDPEQGMIPEMWAPMLAQL-EALQPALQCLKYKLRVFGSRESPEEGEEF 181

Qy 181 EVWLEQATEIVKEW 194
Db 182 GRWMFHTTQMIKAW 195

RESULT 15
US-09-804-014A-16
; Sequence 16, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shimkets, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 351
; TYPE: PRF
; ORGANISM: Homo sapiens
US-09-804-014A-16

Query Match 43.8%; Score 436; DB 10; Length 351;
Best Local Similarity 46.9%; Pred. No. 3.9e-35;
Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

Qy 2 LALLEDCRIMSVDEQKSLMVTGIPADFEAEIQEVLQETLKSIGRYRLGKIFRQENA 61
Db 3 LRLLEDWCRGMNPRKALLIAGISQSCSVAEIEEALQAGLAPLGEYRLGMRFRDNR 62

Qy 62 NAVILLELDDTDSVAIPSEVQGGVWVKVIFKTPNQDTEFLERLNLFLKEGQTVSGMFR 121
Db 63 KVALVGLTAETSHALVPKEIPGKGIWRVIFKPPDPDNTFLSRNLFAGEGTVGELSR 122

Qy 122 ALGQEALSPATVPCISPELLAHLLGQAMAHAPQLLP-MRYRKLRVFGSAVPAPBEESF 180
Db 123 ALGHENGLDPEQGMIPEMWAPMLAQL-EALQPALQCLKYKLRVFGSRESPEEGEEF 181

Qy 181 EVWLEQATEIVKEW 194
Db 182 GRWMFHTTQMIKAW 195

Search completed: August 26, 2005, 17:21:26
Job time : 52.8076 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 26, 2005, 16:35:24 ; Search time 11.2354 Seconds
(without alignments)
989.972 Million cell updates/sec

Title: US-10-037-860-9

Perfect score: 766

Sequence: 1 DLMHIVQADNPSISVEECL.....SIEPEERDCYGRWHEGDD 149

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*

1: /cgn2_6/ptodata/1/iaa/5A COMB.pcp.*

2: /cgn2_6/ptodata/1/iaa/5B COMB.pcp.*

3: /cgn2_6/ptodata/1/iaa/6A COMB.pcp.*

4: /cgn2_6/ptodata/1/iaa/6B COMB.pcp.*

5: /cgn2_6/ptodata/1/iaa/PTCUS COMB.pcp.*

6: /cgn2_6/ptodata/1/iaa/backfiles1.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	323	42.2	462	3	US-09-189-527-13
2	256.5	33.5	329	3	US-09-189-527-4
3	94.5	12.3	577	4	US-09-949-016-10835
4	89.5	11.7	800	4	US-09-555-790A-2
5	89.5	11.7	800	4	US-09-202-047A-2
6	87	11.4	545	4	US-09-908-988B-4
7	84.5	11.0	1307	4	US-09-949-016-7561
8	81.5	10.6	1898	1	US-08-056-200-94
9	81.5	10.6	1898	2	US-08-800-644-94
10	81.5	10.6	1898	4	US-09-538-092-1280
11	80.5	10.5	531	4	US-09-248-796A-20235
12	80	10.4	568	4	US-09-949-016-10896
13	80	10.4	587	4	US-09-538-092-1130
14	80	10.4	825	3	US-09-540-824-26
15	77.5	10.1	620	4	US-09-538-092-1285
16	77	10.1	237	2	US-08-469-537A-85
17	77	10.1	370	3	US-08-857-076-107
18	77	10.1	661	4	US-09-107-532A-3677
19	77	10.1	1367	2	US-08-249-687C-2
20	77	10.1	1367	2	US-08-625-819-2
21	77	10.1	1367	3	US-08-746-559A-2
22	77	10.1	1367	3	US-08-864-641B-18
23	77	10.1	1367	4	US-09-343-551-2
24	77	10.1	1367	4	US-09-949-001-18
25	77	10.1	1377	4	US-09-949-001-21
26	76	9.9	939	4	US-09-585-173B-51
27	75.5	9.9	503	4	US-09-270-767-45438

ALIGNMENTS

RESULT 1

US-09-189-527-13
; Sequence 13, Application US/09189527A
; Patent No. 6387639

GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner

; APPLICANT: Josep O. Dalmau

; APPLICANT: Myrta R. Rosenfeld

; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma

; TITLE OF INVENTION: Antibodies

; FILE REFERENCE: SLK98-01

; CURRENT APPLICATION NUMBER: US/09/189,527A

; CURRENT FILING DATE: 1998-11-10

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 13

; LENGTH: 462

; TYPE: PRT

; ORGANISM: homo sapiens

US-09-189-527-13

Query Match 42.2%; Score 323; DB 3; Length 462;

Best Local Similarity 52.7%; Pred. No. 4.1e-29; Mismatches 26; Indels 2; Gaps 1;

QY 6 VQADNPSISVEECLAEAFKQVFGSLERRTAQVRYLKPQYQEGEKVSAYVLRLETLRRV 65

214 LRASNASITVEECLALQVFGVESHKTAQVKLCKAYQEGEKVSFVLRLEPLQRAV 273

QY 66 EKRAIPRTADQVRLQVQVAGATNOMLCRIELKDKQPPPSFLELMKVIREEEAS 125

274 ENNVSRNVNQTRLKRVLSGATLPDKLRDKLKMQRKPPGFLALVLLREEEWEAT 333

QY 126 F--ENESIE 132

334 LGPDRESLE 342

US-09-189-527-4

; Sequence 4, Application US/09189527A

; Patent No. 6387639

GENERAL INFORMATION:

; APPLICANT: Jerome B. Posner

; APPLICANT: Josep O. Dalmau

; APPLICANT: Myrta R. Rosenfeld

; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma

; TITLE OF INVENTION: Antibodies

; FILE REFERENCE: SLK98-01

; CURRENT APPLICATION NUMBER: US/09/189,527A

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; CURRENT FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 329
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-189-527-4

Query Match      33.5%; Score 256.5; DB 3; Length 329;
Best Local Similarity 46.6%; Pred. No. 1.5e-21;
Matches 54; Conservative 25; Mismatches 30; Indels 7; Gaps 2;

Qy 1 DLHIVQADNPSISVECLFAFKQVFGSLRSRTAQVRYLKPQYEGEKVSAYVLRLETL 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 212 DVIRILKSNPAITTAECLEKALEQVFGSVSSRDAQIKFLNTYQNPGKLSAYVIRLEPL 271

Qy 61 LRRAVEKRAIPRRIADQVRLEQVMAGA-----TLNQMLWCLRELKDKGPPSPFILEL 112
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 272 LQKVVEKGAIDKQNVNQARLEQVIAGANHSAGAIRRQLWL---TCAGEGPGKPLSV 324

RESULT 3
US-09-949-016-10835
; Sequence 10835, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CU001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10835
; LENGTH: 577
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10835

Query Match      12.3%; Score 94.5; DB 4; Length 577;
Best Local Similarity 23.5%; Pred. No. 0.03; 53; Indels 35; Gaps 5;
Matches 36; Conservative 29; Mismatches 53; Indels 35; Gaps 5;

Qy 4 HIVQADNPSISVECLFAFKQVFGSLRSRTAQVRYLKPQYEGEKVS-----A 52
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 332 HIFEMDDNDQKEEIKRYSIYGRFDSK-----REGKQLSLHSLTINEAAQ 380

Qy 53 YVLRLETLRRAVEKRAIPRIADQVRLEQVMAGATLN--QMLWCLRELK----- 102
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 381 FCMRDNTLLRRVELFSLRQVARESTYLSLKGSLRHPBELGPGPLKLLKQVGEQSHP 440

Qy 103 --CGPPSPFLELMKVIREE--REEASFENESIE 132
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 441 EIQOPPPSPSYVPPYRPSLEEDSASLSGESLD 473

RESULT 4
US-09-555-790A-2
; Sequence 2, Application US/09555790A
; Patent No. 6555652
; GENERAL INFORMATION:
; APPLICANT: ITOH, Kyogo et al.
; TITLE OF INVENTION: TUMOR ANTIGEN PEPTIDE DERIVATIVES
; FILE REFERENCE: 0020-4716p
; CURRENT APPLICATION NUMBER: US/09/555,790A
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; CURRENT FILING DATE: 2000-07-12
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 800
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-555-790A-2

Query Match      11.7%; Score 89.5; DB 4; Length 800;
Best Local Similarity 25.3%; Pred. No. 0.18;
Matches 37; Conservative 25; Mismatches 51; Indels 33; Gaps 6;

Qy 5 IVQADNPSISVECLFAFKQVFGSLRSRTAQVRYLKPQYEGEKVSAYVLRLETLRRA 64
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 489 VLEEDAEAELELQKLE-----KGRRLRQLQQLRDSGKVKVEIVKKLESQRQGW 539

Qy 65 VEKRAIPRIADQVRLEQVMAGATLNQMLWCL--LRELKDKGPPSPFLELMKVIREEEEE 123
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 540 EEDE-----DPERKGAIVFNATSE---FCRTLGEIPTYG-----LAGNRESQBEL 581

Qy 124 ASPENESIEPERDGYGRWNHEGDD 149
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 582 MDPERD-----EERSANGGESDGE 602

RESULT 5
US-09-202-047A-2
; Sequence 2, Application US/09202047A
; Patent No. 6815531
; GENERAL INFORMATION:
; APPLICANT: ITOH, Kyogo
; APPLICANT: SHICHIJO, Shigeki
; APPLICANT: IMAI, Yasuhisa
; TITLE OF INVENTION: TUMOR ANTIGEN PROTEINS, GENES THEREFOR, AND TUMOR
; TITLE OF INVENTION: ANTIGEN PEPTIDES
; FILE REFERENCE: 0020-4491P
; CURRENT APPLICATION NUMBER: US/09/202,047A
; CURRENT FILING DATE: 1998-12-07
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 800
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-202-047A-2

Query Match      11.7%; Score 89.5; DB 4; Length 800;
Best Local Similarity 25.3%; Pred. No. 0.18;
Matches 37; Conservative 25; Mismatches 51; Indels 33; Gaps 6;

Qy 5 IVQADNPSISVECLFAFKQVFGSLRSRTAQVRYLKPQYEGEKVSAYVLRLETLRRA 64
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 489 VLEEDAEAELELQKLE-----KGRRLRQLQQLRDSGKVKVEIVKKLESQRQGW 539

Qy 65 VEKRAIPRIADQVRLEQVMAGATLNQMLWCL--LRELKDKGPPSPFLELMKVIREEEEE 123
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 540 EEDE-----DPERKGAIVFNATSE---FCRTLGEIPTYG-----LAGNRESQBEL 581

Qy 124 ASPENESIEPERDGYGRWNHEGDD 149
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 582 MDPERD-----EERSANGGESDGE 602

RESULT 6
US-09-908-988B-4
; Sequence 4, Application US/09908988B
; Patent No. 6740751
; GENERAL INFORMATION:
; APPLICANT: OLSON, ERIC
; APPLICANT: SPENCER, JEFFREY A.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STABILIZING MICROTUBULES
; TITLE OF INVENTION: IN STRIATED MUSCLE CELLS
```

FILE REFERENCE: MYOG:028US
CURRENT APPLICATION NUMBER: US/09/908,988B
CURRENT FILING DATE: 2000-07-18
PRIOR APPLICATION NUMBER: 60/219,020
PRIOR FILING DATE: 2000-07-18
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 545
TYPE: PRT
ORGANISM: Mus musculus
US-09-908-988B-4

Query Match 11.4%; Score 87; DB 4; Length 545;
Best Local Similarity 25.0%; Pred. No. 0.21;
Matches 44; Conservative 23; Mismatches 49; Indels 60; Gaps 8;

Qy 5 IVQADNPISVEEC-----LEAFKQVFGSLERSTAQVRYLKPQESG----- 47
Db 190 ISQLEDTCKTIECCRKQKQDCEKFDHLYGILEERKTEMTQAITRTQEEKLEHVRLIR 249
Qy 48 -----EKVS-----AYVLRLETLRRRAVEKRAIPRIADQVRLQO--- 82
Db 250 KYSDHLENVSKLVESGIQFWDPEMAVFLQNAKTLLOKIVE-----ASKAFQMEKLEQGYE 305
Qy 83 VMAGATLNQMLWCRLRELKQDQPPSPFLMLKVIREEEASFPENESIEPEERD 138
Db 306 IMSNFTVLN-----REEK-----IIREIDFSREEEEDAGEID--REGEGED 347

RESULT 7
US-09-949-016-7561
Sequence 7561, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7561
LENGTH: 1307
TYPE: PRT
ORGANISM: Human
US-09-949-016-7561

Query Match 11.0%; Score 84.5; DB 4; Length 1307;
Best Local Similarity 19.0%; Pred. No. 1.4;
Matches 39; Conservative 25; Mismatches 56; Indels 85; Gaps 6;

Qy 16 EECLEAFKQVFGSLERSTAQVRYLKPQESGKVSAYV----- 54
Db 880 EEQWNTMKAVLEEKEKDLANTGKWLQDQENESLSKAHVQVAHNLKEASSASQPEELE 939
Qy 55 -----LRLETLRRRAVEKRAIPRIADQVRLQVQWAGATLNQMLWCRLRELKQDQ 104
Db 940 IVLKENEKELKLEAMUKRESLDSKTLQLQDQDDE-----NKLFSQIEQLKQON 991
Qy 105 -----PPSFLMLKVIREEEASFPENE-----STEEPEERD----- 138
Db 992 YQASPPFPE--ELLKVIISERKEISGLWNELDSLKDVAVEHORKNNRQOQVAVELE 1049
Qy 139 -----GYGRWNH 145

Db 1050 AKEVLKLLFPKVSVPNSNLSYGEWLH 1074

RESULT 8
US-08-056-200-94
Sequence 94, Application US/08056200
Patent No. 5616500
GENERAL INFORMATION:
APPLICANT: Steinert, Peter M.
APPLICANT: Lee, Seung-Chul
APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-Il
APPLICANT: Park, Sang-Chul
TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
METHODS OF USING SAME
NUMBER OF SEQUENCES: 117
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive, Sixteenth Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/056,200
FILING DATE: 30-APR-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Fedrick, Michael P.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NIH054.001A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (714) 760-0404
TELEFAX: (714) 760-9502
INFORMATION FOR SEQ ID NO: 94:
SEQUENCE CHARACTERISTICS:
LENGTH: 1898 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-056-200-94

Query Match 10.6%; Score 81.5; DB 1; Length 1898;
Best Local Similarity 28.9%; Pred. No. 5.4;
Matches 35; Conservative 16; Mismatches 45; Indels 25; Gaps 4;

Qy 20 EAFKQVFGSLERSTAQVRYLKPQESGKVSAYVLRLETLRRRAVEKRAIPRIAD 76
Db 563 ERLEQLLKREEEKRLEQERQRLKREQE-----RRDQLLKREERQOQLKREQ 613
Qy 77 QVRLEQWAGATLNQMLWCRLRELKQDQPPSPFLMLKVIREEEASFPENESIEPEE 136
Db 614 ERLEQLLKREEVERL---EQERRDE-----RLKREPEERHLLKSEQEE 660
Qy 137 R 137
Db 661 R 661

RESULT 9
US-08-800-644-94
Sequence 94, Application US/08800644
Patent No. 5958752
GENERAL INFORMATION:
APPLICANT: Steinert, Peter M.
APPLICANT: Lee, Seung-Chul
APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-Il

```
; APPLICANT: Park, Sang-Chul
; TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
; TITLE OF INVENTION: Methods of Using Same
; NUMBER OF SEQUENCES: 117
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive, Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/800,644
; FILING DATE: 14-FEB-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/056,200
; FILING DATE: 30-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Pedrick, Michael F.
; REGISTRATION NUMBER: 36,799
; REFERENCE/DOCKET NUMBER: NIH054.001A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (714) 760-0404
; TELEFAX: (714) 760-9502
; INFORMATION FOR SEQ ID NO: 94:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1898 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-800-644-94
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Query Match 10.6%; Score 81.5; DB 2; Length 1898;
Best Local Similarity 28.9%; Pred. No. 5.4;
Matches 35; Conservative 16; Mismatches 45; Indels 25; Gaps 4;

QY 20 EAPKQVFGSLESRTAQR---YLKPYQEGEKVSAYVLRLETLRRRAVEKRAIPRIAD 76
Db 563 ERLEQLKREEEKRLEQERQRLKREQE-----RRDQLKREERQOQLKREQ 613

QY 77 QVRLEQVMAGATLNQMLCRLRELKDGPPPSFLELMKVIREEEBEASFENESIEPEE 136
Db 614 EERLEQLKREEVERL---EQERRDE-----RLKREEPPEERRHLLKSEEQEE 660

QY 137 R 137
Db 661 R 661
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```
RESULT 10
US-09-538-092-1280
; Sequence 1280, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuraPatSeqFormatter Version 0.9
; SEQ ID NO 1280
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; LENGTH: 1898
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (0)..(0)
; OTHER INFORMATION: Polypeptide Accession Number Q07283
; US-09-538-092-1280
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Query Match 10.6%; Score 81.5; DB 4; Length 1898;
Best Local Similarity 28.9%; Pred. No. 5.4;
Matches 35; Conservative 16; Mismatches 45; Indels 25; Gaps 4;

QY 20 EAPKQVFGSLESRTAQR---YLKPYQEGEKVSAYVLRLETLRRRAVEKRAIPRIAD 76
Db 563 ERLEQLKREEEKRLEQERQRLKREQE-----RRDQLKREERQOQLKREQ 613

QY 77 QVRLEQVMAGATLNQMLCRLRELKDGPPPSFLELMKVIREEEBEASFENESIEPEE 136
Db 614 EERLEQLKREEVERL---EQERRDE-----RLKREEPPEERRHLLKSEEQEE 660

QY 137 R 137
Db 661 R 661
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RESULT 11
US-09-248-796A-20235
; Sequence 20235, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 20235
; LENGTH: 531
; TYPE: PRT
; ORGANISM: Candida albicans
; US-09-248-796A-20235
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Query Match 10.5%; Score 80.5; DB 4; Length 531;
Best Local Similarity 23.9%; Pred. No. 1.1;
Matches 27; Conservative 21; Mismatches 34; Indels 31; Gaps 4;

QY 56 RLETLRRRAVEKRAIPRIADQVRLQVMAGATLNQMLCRLRELKDGPPPSF----- 109
Db 15 RTTTRMREGIKKKAARRRKDKKIACK-----DVTW-KSRKSDPGIPASFPYKDKI 65

QY 110 -----LELMKVIREEEBEASFENESIEPEERDCYGRWNHGD 148
Db 66 ITELEGRRIEKERRRQQLKQEQERQALARGEIVDDDDDDDDQ--BEGD 116
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RESULT 12
US-09-949-016-10896
; Sequence 10896, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
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; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10896
; LENGTH: 568
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10896

Query Match      10.4%; Score 80; DB 4; Length 568;
Best Local Similarity 26.6%; Pred. No. 1.4;
Matches 37; Conservative 22; Mismatches 60; Indels 20; Gaps 5;

QY 12 SISVEECLEAFKQV-----FGSLESRTAQVRYLKPQYEEGKVSAYVRLRLETLRRRAVEK 67
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 297 AVAAETLKTLRQVEVINFQDGLVRSKGAVAIADAIKRGGLPKLKLNLSPCEIKRDA-- 354
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 68 RAIPRRRIADQVRLQV-MAGATLNQMLWCRLRELKDGQPPPSFLELMKVIR-----EE 119
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 355 LAVAEAMADKAELEKLDLNGTLGEEGCEQLQEVLEG-----FNNAKVLASLSDDDEEE 408
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 120 EEEEASPNESIEPPEERD 138
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 409 EEEEGEEEEEEEEEED 427

RESULT 13
US-09-538-092-1130
; Sequence 1130, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuratSeqFormatter Version 0.9
; SEQ ID NO 1130
; LENGTH: 587
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number P46060
US-09-538-092-1130

Query Match      10.4%; Score 80; DB 4; Length 587;
Best Local Similarity 26.6%; Pred. No. 1.5;
Matches 37; Conservative 22; Mismatches 60; Indels 20; Gaps 5;

QY 12 SISVEECLEAFKQV-----FGSLESRTAQVRYLKPQYEEGKVSAYVRLRLETLRRRAVEK 67
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 253 AVAAETLKTLRQVEVINFQDGLVRSKGAVAIADAIKRGGLPKLKLNLSPCEIKRDA-- 310
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 68 RAIPRRRIADQVRLQV-MAGATLNQMLWCRLRELKDGQPPPSFLELMKVIR-----EE 119
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 311 LAVAEAMADKAELEKLDLNGTLGEEGCEQLQEVLEG-----FNNAKVLASLSDDDEEE 364
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 120 EEEEASPNESIEPPEERD 138
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 365 EEEEGEEEEEEEEEED 383
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```

RESULT 14
US-09-540-824-26
; Sequence 26, Application US/09540824
; Patent No. 6383753
; GENERAL INFORMATION:
; APPLICANT: Thiele, Dennis
; APPLICANT: Liu, Phillip
; TITLE OF INVENTION: No. 6383753el Yeast and Mammalian Regulators of Cell Proliferat:
; FILE REFERENCE: UM-04266
; CURRENT APPLICATION NUMBER: US/09/540,824
; CURRENT FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 825
; TYPE: PRT
; ORGANISM: Schizosaccharomyces pombe
US-09-540-824-26

Query Match      10.4%; Score 80; DB 3; Length 825;
Best Local Similarity 25.8%; Pred. No. 2.4;
Matches 33; Conservative 25; Mismatches 32; Indels 38; Gaps 8;

QY 30 ESRTAQVRYLKPQYEEGKVSAYVRLRLETLRRAY-EKRAIP-RRADIQVRLQVWAGA 87
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 253 KASRKSIGIKTQRIISDGD-----ARYDSFVREMVFDRKRAHPTERTKTEELAQIEAD- 305
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 88 TLNQLWCRLRELKDGQPPPSFLELMKVIR-EEEEEEASFENESIEPEERD---GYGR- 142
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 306 -----RLRELEDO-----RISRMHBYQEDSASEAGSIEDQATDNVFGFGK 347
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 143 -----WN 144
   ||
Db 348 QENEEAWN 355

RESULT 15
US-09-538-092-1285
; Sequence 1285, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuratSeqFormatter Version 0.9
; SEQ ID NO 1285
; LENGTH: 620
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number Q08379
US-09-538-092-1285

Query Match      10.1%; Score 77.5; DB 4; Length 620;
Best Local Similarity 25.0%; Pred. No. 3.2;
Matches 35; Conservative 26; Mismatches 48; Indels 31; Gaps 5;

QY 15 VEECLEAFKQVFGSLESRTAQVRYLKPQYEEGKVSAY-----VLRLETLRRAY- 65
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 212 LKTEVELKSQEAQSLOQQRDQYLGLHQY-----VAATQQLTSEKEVLNQLLLQTLV 265
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 66 ----EKRAIPRIADQVR-----LEQVMAGATLNQMLWCRLRELKDGQPPPSFLELMKV 115
```

```
Db      266 DQLQQEAGKVAEMARQELQETQERLEAATQONQOLRAQLSLMAHPG-----EGDGL 319
Qy      116 IREEEEEASFENESIEEPE 135
Db      320 DREEEDEEEEEEA VAPQ 339
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Search completed: August 26, 2005, 16:50:24
Job time : 12.2354 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: August 26, 2005, 16:45:49 ; Search time 39.5863 Seconds
(without alignments)
1478.945 Million cell updates/sec

Title: US-10-037-860-9

Perfect score: 766

Sequence: 1 DLWHIVQADNPISVEECLE.....SIEPPEPDGYGRWNHGGD 149

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1767149 seqs, 392926209 residues

Total number of hits satisfying chosen parameters: 1767149

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US10E_PUBCOMB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/1/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
- 21: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	766	100.0	149	13	US-10-037-860-9
2	758	99.0	364	17	US-10-504-329-3
3	755	98.6	283	13	US-10-037-860-11
4	323	42.2	463	13	US-10-037-860-13
5	295.5	38.6	353	9	US-09-965-529-7
6	295.5	38.6	353	10	US-09-969-680A-7
7	295.5	38.6	353	20	US-11-048-692-7
8	287	37.5	452	16	US-10-408-765A-2385
9	277	36.2	399	15	US-10-094-749-1978
10	271.5	35.4	351	9	US-09-965-529-1
11	271.5	35.4	351	10	US-09-804-014A-16
Sequence 9, Appli					
Sequence 3, Appli					
Sequence 11, Appl					
Sequence 13, Appl					
Sequence 7, Appli					
Sequence 7, Appli					
Sequence 2385, Ap					
Sequence 1978, Ap					
Sequence 1, Appli					
Sequence 16, Appl					

12	271.5	35.4	351	10	US-09-969-680A-1	Sequence 1, Appli
13	271.5	35.4	351	15	US-10-341-434-10	Sequence 10, Appl
14	271.5	35.4	351	20	US-11-048-692-1	Sequence 1, Appli
15	256.5	33.5	329	13	US-10-037-860-4	Sequence 4, Appli
16	255	33.3	318	10	US-09-804-014A-40	Sequence 40, Appl
17	247.5	32.3	403	15	US-10-094-466-38	Sequence 38, Appl
18	240	31.3	337	15	US-10-296-115-1208	Sequence 1208, Ap
19	237	30.9	402	17	US-10-959-539-26	Sequence 26, Appl
20	235	30.7	321	10	US-09-804-014A-39	Sequence 39, Appl
21	225	29.4	312	10	US-09-804-014A-73	Sequence 73, Appl
22	225	29.4	312	10	US-09-804-014A-74	Sequence 74, Appl
23	97.5	12.7	218	15	US-10-094-749-2881	Sequence 2881, Ap
24	96.5	12.6	542	15	US-10-205-331-57	Sequence 57, Appl
25	95.5	12.5	407	16	US-10-755-889-122	Sequence 122, App
26	94.5	12.3	525	16	US-10-723-860-2125	Sequence 2125, App
27	93.5	12.2	402	17	US-10-732-923-534	Sequence 534, App
28	93.5	12.2	544	16	US-10-723-860-2599	Sequence 2599, Ap
29	93.5	12.2	544	18	US-10-756-149-5421	Sequence 5421, Ap
30	93.5	12.2	620	16	US-10-437-963-158544	Sequence 158544,
31	91.5	11.9	346	15	US-10-310-154-448	Sequence 448, App
32	90	11.7	592	15	US-10-438-339-8	Sequence 8, Appli
33	90	11.7	592	15	US-10-416-477-8	Sequence 8, Appli
34	90	11.7	592	17	US-10-754-829A-8	Sequence 8, Appli
35	89.5	11.7	760	16	US-10-739-930-6736	Sequence 6736, Ap
36	89.5	11.7	800	17	US-10-921-110-2	Sequence 2, Appli
37	89.5	11.7	800	17	US-10-959-539-51	Sequence 51, Appl
38	89	11.6	1474	16	US-10-437-963-187531	Sequence 187531,
39	87.5	11.4	2552	16	US-10-437-963-129734	Sequence 129734,
40	87	11.4	545	9	US-09-908-988B-4	Sequence 4, Appli
41	87	11.4	545	16	US-10-775-649-4	Sequence 4, Appli
42	87	11.4	545	16	US-10-775-627-4	Sequence 4, Appli
43	84.5	11.0	1300	16	US-10-408-765A-257	Sequence 257, App
44	83.5	10.9	631	17	US-10-723-518-3	Sequence 3, Appli
45	83.5	10.9	631	18	US-10-756-149-4680	Sequence 4680, Ap

ALIGNMENTS

RESULT 1
US-10-037-860-9
; Sequence 9, Application US/10037860
; Publication NO. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 149
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-9

Query Match	100.0%	Score 766;	DB 13;	Length 149;
Best Local Similarity	100.0%	Pred. No. 6.2e-70;		
Matches 149;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	DLWHIVQADNPISVEECLEAFQVFGSLSRRTAQVRYLKPQYQEGEKVSAYVLRLETL	60	
Db	1	DLWHIVQADNPISVEECLEAFQVFGSLSRRTAQVRYLKPQYQEGEKVSAYVLRLETL	60	
Qy	61	LRRAVEKRAIPRIADQVRLEQVMAGATLNQMLWCLRELKDOGPPPSFLELMKVIREEE	120	
Db	61	LRRAVEKRAIPRIADQVRLEQVMAGATLNQMLWCLRELKDOGPPPSFLELMKVIREEE	120	

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QY 121 EEASFENESIEEPEERDGYGRWNHEGDD 149
DB 121 EEASFENESIEEPEERDGYGRWNHEGDD 149

RESULT 2
US-10-504-329-3
; Sequence 3, Application US/10504329
; Publication No. US20050106569A1
; GENERAL INFORMATION:
; APPLICANT: Evotec Neurosciences GmbH
; TITLE OF INVENTION: Diagnostic and therapeutic use of MA onconeural
; TITLE OF INVENTION: antigens for neurodegenerative diseases
; FILE REFERENCE: 030475wo ME/BM
; CURRENT APPLICATION NUMBER: US/10/504,329
; CURRENT FILING DATE: 2004-08-25
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-504-329-3

Query Match 99.0%; Score 758; DB 17; Length 364;
Best Local Similarity 99.3%; Pred. No. 1.3e-68;
Matches 148; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 DLHIVQADNPISVSEECLEAFKQVFGSLSRRTAQVRYLKPYOEGEKVSAYVLRLETL 60
DB 216 DLHIVQADNPISVSEECLEAFKQVFGSLSRRTAQVRYLKPYOEGEKVSAYVLRLETL 275

QY 61 LRAVEKRAIPRRIADQVRLEQVMAGATINQMLWCRLRELKDQGPSPFLELMKVIREEE 120
DB 276 LRAVEKRAIPRRIADQVRLEQVMAGATINQMLWCRLRELKDQGPSPFLELMKVIREEE 335

QY 121 EEASFENESIEEPEERDGYGRWNHEGDD 149
DB 336 EEASFENESIEEPEERDGYGRWNHEGDD 364

RESULT 3
US-10-037-860-11
; Sequence 11, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 283
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-11

Query Match 98.6%; Score 755; DB 13; Length 283;
Best Local Similarity 98.7%; Pred. No. 1.9e-68;
Matches 147; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 DLHIVQADNPISVSEECLEAFKQVFGSLSRRTAQVRYLKPYOEGEKVSAYVLRLETL 60
DB 135 DLHIVQADNPISVSEECLEAFKQVFGSLSRRTAQVRYLKPYOEGEKVSAYVLRLETL 194

QY 61 LRAVEKRAIPRRIADQVRLEQVMAGATINQMLWCRLRELKDQGPSPFLELMKVIREEE 120
DB 195 LRAVEKRAIPRRIADQVRLEQVMAGATINQMLWCRLRELKDQGPSPFLELMKVIREEE 254

QY 121 EEASFENESIEEPEERDGYGRWNHEGDD 149
DB 255 EEASFENESIEEPEERDGYGRWNHEGDD 283

RESULT 4
US-10-037-860-13
; Sequence 13, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 463
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-13

Query Match 42.2%; Score 323; DB 13; Length 463;
Best Local Similarity 52.7%; Pred. No. 3.8e-24;
Matches 68; Conservative 26; Mismatches 33; Indels 2; Gaps 1;

QY 6 VQADNPISVSEECLEAFKQVFGSLSRRTAQVRYLKPYOEGEKVSAYVLRLETLRRAV 65
DB 220 LRASNASITVEECLEALQVFGVPSHESKIAQVKLCKAYQEGEKVSFVLRLEPLQRAV 279

QY 66 EKRAIPRRIADQVRLEQVMAGATINQMLWCRLRELKDQGPSPFLELMKVIREEEAS 125
DB 280 ENNVVSRNNVQTRLKRVLSGATLPDKLRDKLKMQRKPPGFTALVXLLREESWEAT 339

QY 126 F--ENESIE 132
DB 340 LGPDRESLE 348

RESULT 5
US-09-965-529-7
; Sequence 7, Application US/0965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dytung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731 USA
; CURRENT APPLICATION NUMBER: US/09/965,529
; CURRENT FILING DATE: 2001-09-26
; PRIOR FILING DATE: 60/149,641; 60/164,203; PCT/US00/22315
; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
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```

; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
US-09-965-529-7

Query Match 38.6%; Score 295.5; DB 9; Length 353;
Best Local Similarity 46.3%; Pred. No. 1.7e-21;
Matches 62; Conservative 29; Mismatches 36; Indels 7; Gaps 2;

QY 1 DLMHIVQADNPSSIVBECLEAFQVFGSLERRTAQVRYLKPQYEEGKVSAYVLRLETL 60
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 212 DVIRILKSNPAITTAECLEKALEQVFGSVESRDQIKFLNTYQNPGEKLSAYVIRLEPL 271
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

QY 61 LRRAVEKRAIPRIADQVRLQVMAGA-----TLNQMLWCRLRELKDQGPSPFLELMKVI 116
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 272 LQKVVEKGAIDKDNVNQARLEQVIAGANHSQAIRQLWL---TGAGEGAPAPNLFQLLVQI 328
   |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

QY 117 REEEEEEASFENES 130
   |||||:|:|:|
Db 329 REEEAKEEEEEEA 342
   |||||:|:|:|

RESULT 6
US-09-969-680A-7
; Sequence 7, Application US/09969680A
; Publication No. US20030124649A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti; YUE, Henry
; APPLICANT: TANG, Y. Tom; BANDMAN, Olga
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731-1 USA
; CURRENT APPLICATION NUMBER: US/09/969,680A
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 2483172CD1
US-11-048-692-7

Query Match 38.6%; Score 295.5; DB 20; Length 353;
Best Local Similarity 46.3%; Pred. No. 1.7e-21;
Matches 62; Conservative 29; Mismatches 36; Indels 7; Gaps 2;

QY 1 DLMHIVQADNPSSIVBECLEAFQVFGSLERRTAQVRYLKPQYEEGKVSAYVLRLETL 60
Db 212 DVIRILKSNPAITTAECLEKALEQVFGSVESRDQIKFLNTYQNPGEKLSAYVIRLEPL 271
QY 61 LRRAVEKRAIPRIADQVRLQVMAGA-----TLNQMLWCRLRELKDQGPSPFLELMKVI 116
Db 272 LQKVVEKGAIDKDNVNQARLEQVIAGANHSQAIRQLWL---TGAGEGAPAPNLFQLLVQI 328
QY 117 REEEEEEASFENES 130
Db 329 REEEAKEEEEEEA 342

RESULT 8
US-10-408-765A-2385
; Sequence 2385, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Foin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; FILE REFERENCE: 660088,465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2385
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-2385

```

```
Query Match          37.5%; Score 287; DB 16; Length 452;
Best Local Similarity 43.8%; Pred. No. 1.7e-20;
Matches 63; Conservative 30; Mismatches 43; Indels 8; Gaps 2;

QY 2 LMHVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPQYEEGKVSAYVLRLETL 61
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 215 IMRVLQANDSITVEQLDALKQIFGDKEDFRASQFRFLQTSFKIGKVSFTLLRLEPL 274
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 62 RRAVEKRAIPRIADQVRLQVWAGATLNQMLWCRLBELKDQGPSPSFLMKVIREEE 121
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 275 QKAVHKSPLSVSRSTMRLKHLARVAMTPALRGKLELLDORCGPNFLEMLKLIRDEE 334
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 122 ---EASFENESIEEPEERDGYR 142
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 335 WENTEAVMKNK-----EKPSGRGR 353
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 9
US-10-094-749-1978
; Sequence 1978, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR FILING DATE: 2002-01-24
; PRIOR FILING DATE: 2002-01-24
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1978
; LENGTH: 399
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-1978

Query Match          36.2%; Score 277; DB 15; Length 399;
Best Local Similarity 43.5%; Pred. No. 1.5e-19;
Matches 60; Conservative 30; Mismatches 48; Indels 0; Gaps 0;

QY 2 LMHVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPQYEEGKVSAYVLRLETL 61
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 208 LVHALLAENPARTAQDCLALAAQVFGDNESQATIRVKCLTAQQQSGERLSAFVLRLEVL 267
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 62 RRAVEKRAIPRIADQVRLQVWAGATLNQMLWCRLBELKDQGPSPSFLMKVIREEE 121
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 268 QKAMEKALARASADRVLRLQMLTRAHLTEPLDEALRKLRMAGRSPSFLMLGLVRESEA 327
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 122 EASFENESIEEPEERDGS 139
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 328 WEASLARSVRAQTQEGAG 345
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
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```
RESULT 10
US-09-965-529-1
; Sequence 1, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731 USA
; CURRENT APPLICATION NUMBER: US/09/965,529
; CURRENT FILING DATE: 2001-09-26
; PRIOR FILING DATE: 60/149,641; 60/164,203; PCT/US00/22315
; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
US-09-965-529-1

Query Match          35.4%; Score 271.5; DB 9; Length 351;
Best Local Similarity 44.6%; Pred. No. 4.7e-19;
Matches 58; Conservative 32; Mismatches 29; Indels 11; Gaps 3;

QY 1 DLMHVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKPQYEEGKVSAYVLRLETL 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 216 DVIRVLKINNPLITVDECLQALEEVFGVTDNPNRELQVKYLTQKDEEKL SAYVLRLEPL 275
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 61 LRAVEKRAIPRIADQVRLQVWAGATLNQMLWCRLBELKDQGPSPSFLMKVIR 117
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 276 LQKLVGQGAIERDAVNQARLDQVIAGAVHKTRREL-----NLPEGDPAGFLQLLVLIK 330
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 118 E---EVEEEA 124
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 331 DYEAEVEEEA 340
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 11
US-09-804-014A-16
; Sequence 16, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shinkets, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR FILING DATE: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
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; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-804-014A-16

Query Match 35.4%; Score 271.5; DB 10; Length 351;
Best Local Similarity 44.6%; Pred. No. 4.7e-19;
Matches 58; Conservative 32; Mismatches 29; Indels 11; Gaps 3;
QY 1 DLMHIVQADNPISVVECLAEAFKQVFGSLESRTAQVRLKPYQEGEKVSAYVLRLETL 60
DB 216 DVIRLKIINPLITVDECLAEVFGVTDPRELQVKYLTYYQKDEEKLVSAYVLRLEPL 275
QY 61 LRAVEKRAIPRRIADQVRLEQVMAGA---TLNQMLWCLRELKDGQPPPSFLELMKVIR 117
DB 276 LQKLVRGAERDAVNQARLDQVIAGVHKTIRREL-----NLPDGPAGPFLQLLVLIK 330
QY 118 E---EVEEA 124
DB 331 DYEAAEEEA 340

RESULT 12
US-09-969-680A-1
; Sequence 1, Application US/09969680A
; Publication No. US20030124649A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti; YUE, Henry
; APPLICANT: TANG, Y. Tom; BANDMAN, Olga
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731-1 USA
; CURRENT APPLICATION NUMBER: US/09/969,680A
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030124649A1 112301CD1
US-09-969-680A-1

Query Match 35.4%; Score 271.5; DB 10; Length 351;
Best Local Similarity 44.6%; Pred. No. 4.7e-19;
Matches 58; Conservative 32; Mismatches 29; Indels 11; Gaps 3;
QY 1 DLMHIVQADNPISVVECLAEAFKQVFGSLESRTAQVRLKPYQEGEKVSAYVLRLETL 60
DB 216 DVIRLKIINPLITVDECLAEVFGVTDPRELQVKYLTYYQKDEEKLVSAYVLRLEPL 275
QY 61 LRAVEKRAIPRRIADQVRLEQVMAGA---TLNQMLWCLRELKDGQPPPSFLELMKVIR 117
DB 276 LQKLVRGAERDAVNQARLDQVIAGVHKTIRREL-----NLPDGPAGPFLQLLVLIK 330
QY 118 E---EVEEA 124

DB 331 DYEAAEEEA 340
RESULT 13
US-10-341-434-10
; Sequence 10, Application US/10341434
; Publication No. US20030215835A1
; GENERAL INFORMATION:
; APPLICANT: OriGene Technologies
; TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes
; FILE REFERENCE: 9U 204 205 R1
; CURRENT APPLICATION NUMBER: US/10/341,434
; CURRENT FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: US 60/348,164
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: US 60/348,119
; PRIOR FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-341-434-10

Query Match 35.4%; Score 271.5; DB 15; Length 351;
Best Local Similarity 44.6%; Pred. No. 4.7e-19;
Matches 58; Conservative 32; Mismatches 29; Indels 11; Gaps 3;
QY 1 DLMHIVQADNPISVVECLAEAFKQVFGSLESRTAQVRLKPYQEGEKVSAYVLRLETL 60
DB 216 DVIRLKIINPLITVDECLAEVFGVTDPRELQVKYLTYYQKDEEKLVSAYVLRLEPL 275
QY 61 LRAVEKRAIPRRIADQVRLEQVMAGA---TLNQMLWCLRELKDGQPPPSFLELMKVIR 117
DB 276 LQKLVRGAERDAVNQARLDQVIAGVHKTIRREL-----NLPDGPAGPFLQLLVLIK 330
QY 118 E---EVEEA 124
DB 331 DYEAAEEEA 340

RESULT 14
US-11-048-692-1
; Sequence 1, Application US/11048692
; Publication No. US20050123990A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti; YUE, Henry
; APPLICANT: TANG, Y. Tom; BANDMAN, Olga
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731-1 USA
; CURRENT APPLICATION NUMBER: US/11/048,692
; CURRENT FILING DATE: 2005-02-02
; PRIOR APPLICATION NUMBER: US/09/969,680
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature

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OM protein - protein search, using sw model

Run on: August 26, 2005, 16:35:24 ; Search time 21.3397 Seconds
(without alignments)
989.972 Million cell updates/sec

Title: US-10-037-860-11
Perfect score: 1462
Sequence: 1 VQKGGVWVKVFTPNQDTE.....SIEEPERDGYGRWNHEGD 283

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues
Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A COMB.pcp.*
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3: /cgn2_6/ptodata/1/iaa/6A COMB.pcp.*
4: /cgn2_6/ptodata/1/iaa/6B COMB.pcp.*
5: /cgn2_6/ptodata/1/iaa/PCRUS COMB.pcp.*
6: /cgn2_6/ptodata/1/iaa/backfileel.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	618.5	42.3	462	3	US-09-189-527-13
2	593	40.6	195	3	US-09-189-527-7
3	564	38.6	329	3	US-09-189-527-4
4	104.5	7.1	577	4	US-09-949-016-10835
5	100	6.8	750	4	US-09-585-173B-12
6	98	6.7	1070	3	US-08-322-635-22
7	98	6.7	1504	4	US-09-364-206-2
8	97.5	6.7	651	3	US-08-650-766-6
9	97.5	6.7	651	3	US-08-322-635-5
10	97.5	6.7	651	4	US-09-389-487-6
11	95	6.5	754	4	US-09-585-173B-51
12	94	6.4	1307	4	US-09-949-016-7561
13	94	6.4	1560	4	US-09-264-512B-2
14	93.5	6.4	331	3	US-08-556-419-25
15	93	6.4	1805	1	US-07-853-913-2
16	92	6.3	671	4	US-09-949-016-6441
17	92	6.3	736	4	US-09-252-991A-19048
18	92	6.3	1898	1	US-08-056-200-94
19	92	6.3	1898	2	US-08-800-644-94
20	92	6.3	1898	4	US-09-538-092-1280
21	91.5	6.3	300	4	US-09-352-991A-23947
22	91	6.2	497	4	US-09-345-473B-8
23	91	6.2	518	3	US-09-329-418-3
24	91	6.2	518	3	US-09-329-418-4
25	91	6.2	518	3	US-09-329-418-5
26	91	6.2	518	3	US-09-329-418-9
27	91	6.2	518	3	US-09-531-914-3

28	91	6.2	518	3	US-09-531-914-4	Sequence 4, Appli
29	91	6.2	518	3	US-09-531-914-5	Sequence 5, Appli
30	91	6.2	518	3	US-09-531-914-9	Sequence 9, Appli
31	91	6.2	545	4	US-09-908-988B-4	Sequence 4, Appli
32	91	6.2	555	4	US-09-949-016-10660	Sequence 10660, A
33	91	6.2	583	4	US-09-949-016-8267	Sequence 8267, Ap
34	91	6.2	1786	3	US-08-973-462-8	Sequence 8, Appli
35	90.5	6.2	420	3	US-09-329-418-8	Sequence 8, Appli
36	90.5	6.2	420	3	US-09-531-914-8	Sequence 8, Appli
37	90	6.2	257	4	US-09-107-532A-6287	Sequence 6287, Ap
38	90	6.2	592	2	US-08-736-770-6	Sequence 6, Appli
39	90	6.2	592	4	US-09-702-705-1809	Sequence 1809, Ap
40	90	6.2	592	4	US-09-736-457-1809	Sequence 1809, Ap
41	90	6.2	592	4	US-09-643-657-4	Sequence 4, Appli
42	90	6.2	592	4	US-09-671-325-1809	Sequence 1809, Ap
43	90	6.2	605	4	US-09-949-016-8823	Sequence 8823, Ap
44	90	6.2	674	4	US-09-949-016-7034	Sequence 7034, Ap
45	90	6.2	755	4	US-09-949-016-7755	Sequence 7755, Ap

ALIGNMENTS

RESULT 1
US-09-189-527-13
; Sequence 13, Application US/09189527A
; Patent No. 6387639
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
; TITLE OF INVENTION: Antibodies
; FILE REFERENCE: SLK98-01
; CURRENT APPLICATION NUMBER: US/09/189,527A
; CURRENT FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 13
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-189-527-13

Query Match	42.3%	Score	618.5	DB	3	Length	462
Best Local Similarity	50.2%	Pred. No.	2.7e-56				
Matches	135	Conservative	44	Mismatches	85	Indels	5
Gaps	3						
QY	1	VQKGGVWVKVFTPNQDTEFLERLNLFLEKEGQTVSGMFRALGQEGVSPATVPCISPEL	60				
Db	76	IFKGGPWEVIVKPRNSDGEFLNRLNRFLEEBRRVSDMNRVLGSDTNCSPRVTISPEF	135				
QY	61	LAHLGQMAHAPQPLL-PMRYKRLRVFSGSAVPAPPEESFEVWLEQATEIVKKEWPVTEA	119				
Db	136	WT--WAQTGGAQVQLLEQMLYRELRFVSGNTISIPGALAFDAWLEHTTLMQWQVPEG	193				
QY	120	EKKRWLAESLRGPDLMHIQVADNPISVSECLERAFKQVFGSLERTRAQVRYLKYOE	179				
Db	194	EKKRRIMECLRGPAQVSGLRASNASITVEECLAAQQVFGVESHKTAQVKLKAYOE	253				
QY	180	EKEKVSAYVLRLETLRLKRAVEKRAIPRRRIADQVRLEQVMAGATLNQMLRCRLRELKQGP	239				
Db	254	AGEKVSFVLRLEPLLQRAVENNVNRRVNNQTRLKVLSGATLPDKLRDKLKLKMKQRRK	313				
QY	240	PSFELMKVIREEEEEASF--ENESIE	266				
Db	314	PRGFALVKKLREBEWEATLGPDRSLE	342				

RESULT 2
US-09-189-527-7
; Sequence 7, Application US/09189527A
; Patent No. 6387639

Db 316 GPGPKPLSV 324

RESULT 4

US-09-949-016-10835

; Sequence 10835, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 10835

; LENGTH: 577

; TYPE: PRT

; ORGANISM: Human

US-09-949-016-10835

Query Match 7.1%; Score 104.5; DB 4; Length 577;

Best Local Similarity 22.1%; Pred. No. 0.044;

Matches 43; Conservative 39; Mismatches 78; Indels 35; Gaps 5;

Qy 96 EESFEVWLEQATEIVKWPVTEAEKKRWLAESLRGPALDLMHIVQADNPSTSVBEECLEA 155

Db 290 EPEWVWVSVESVERIFRSPRGDAGEVTSLLKLNKKLARSVGHIFEMDDNDSDQKEEIRK 349

Qy 156 FKQVFGSLSRRTAQVRYLKYTOEGEKEVYS-----AYVLRLETLTKKAVEKRAI 204

Db 350 YSIYIGRFDSKR-----REGKQLSHELITINEAAQFCMRDNTLLLRVLEFSL 398

Qy 205 PRIADQVRLEQVMAGATLN--QMLWCRLRELKD-----QGPPSPFLELMKVIRE 252

Db 399 SRQVARESTVLSLKGSRHLPELGGPPLKKLQEVGEQSHPEIQOQPPGPESYVPPYRP 458

Qy 253 E-EEBEEASPENESIE 266

Db 459 SLEEDSASLSGESLD 473

RESULT 5

US-09-585-173B-12

; Sequence 12, Application US/09585173B

; Patent No. 6570063

; GENERAL INFORMATION:

; APPLICANT: Butler, Karlene

; APPLICANT: Famodu, Omolayo O.

; APPLICANT: Gutteridge, Steven

; APPLICANT: Maxwell, Carl

; TITLE OF INVENTION: Magnesium Chelataase

; FILE REFERENCE: BB1370 US NA

; CURRENT APPLICATION NUMBER: US/09/585,173B

; CURRENT FILING DATE: 2000-06-01

; PRIOR APPLICATION NUMBER: US 60/137,461

; PRIOR FILING DATE: 1999-06-04

; NUMBER OF SEQ ID NOS: 54

; SOFTWARE: Microsoft Office 97

; SEQ ID NO 12

; LENGTH: 750

; TYPE: PRT

; ORGANISM: Glycine max

US-09-585-173B-12

Query Match 6.8%; Score 100; DB 4; Length 750;

Db 316 GPGPKPLSV 324

RESULT 4

US-09-949-016-10835

; Sequence 10835, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 10835

; LENGTH: 577

; TYPE: PRT

; ORGANISM: Human

US-09-949-016-10835

Query Match 7.1%; Score 104.5; DB 4; Length 577;

Best Local Similarity 22.1%; Pred. No. 0.044;

Matches 43; Conservative 39; Mismatches 78; Indels 35; Gaps 5;

Qy 96 EESFEVWLEQATEIVKWPVTEAEKKRWLAESLRGPALDLMHIVQADNPSTSVBEECLEA 155

Db 290 EPEWVWVSVESVERIFRSPRGDAGEVTSLLKLNKKLARSVGHIFEMDDNDSDQKEEIRK 349

Qy 156 FKQVFGSLSRRTAQVRYLKYTOEGEKEVYS-----AYVLRLETLTKKAVEKRAI 204

Db 350 YSIYIGRFDSKR-----REGKQLSHELITINEAAQFCMRDNTLLLRVLEFSL 398

Qy 205 PRIADQVRLEQVMAGATLN--QMLWCRLRELKD-----QGPPSPFLELMKVIRE 252

Db 399 SRQVARESTVLSLKGSRHLPELGGPPLKKLQEVGEQSHPEIQOQPPGPESYVPPYRP 458

Qy 253 E-EEBEEASPENESIE 266

Db 459 SLEEDSASLSGESLD 473

RESULT 5

US-09-585-173B-12

; Sequence 12, Application US/09585173B

; Patent No. 6570063

; GENERAL INFORMATION:

; APPLICANT: Butler, Karlene

; APPLICANT: Famodu, Omolayo O.

; APPLICANT: Gutteridge, Steven

; APPLICANT: Maxwell, Carl

; TITLE OF INVENTION: Magnesium Chelataase

; FILE REFERENCE: BB1370 US NA

; CURRENT APPLICATION NUMBER: US/09/585,173B

; CURRENT FILING DATE: 2000-06-01

; PRIOR APPLICATION NUMBER: US 60/137,461

; PRIOR FILING DATE: 1999-06-04

; NUMBER OF SEQ ID NOS: 54

; SOFTWARE: Microsoft Office 97

; SEQ ID NO 12

; LENGTH: 750

; TYPE: PRT

; ORGANISM: Glycine max

US-09-585-173B-12

Query Match 6.8%; Score 100; DB 4; Length 750;

Db 316 GPGPKPLSV 324

RESULT 4

US-09-949-016-10835

; Sequence 10835, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 10835

; LENGTH: 577

; TYPE: PRT

; ORGANISM: Human

US-09-949-016-10835

Query Match 7.1%; Score 104.5; DB 4; Length 577;

Best Local Similarity 22.1%; Pred. No. 0.044;

Matches 43; Conservative 39; Mismatches 78; Indels 35; Gaps 5;

Qy 96 EESFEVWLEQATEIVKWPVTEAEKKRWLAESLRGPALDLMHIVQADNPSTSVBEECLEA 155

Db 290 EPEWVWVSVESVERIFRSPRGDAGEVTSLLKLNKKLARSVGHIFEMDDNDSDQKEEIRK 349

Qy 156 FKQVFGSLSRRTAQVRYLKYTOEGEKEVYS-----AYVLRLETLTKKAVEKRAI 204

Db 350 YSIYIGRFDSKR-----REGKQLSHELITINEAAQFCMRDNTLLLRVLEFSL 398

Qy 205 PRIADQVRLEQVMAGATLN--QMLWCRLRELKD-----QGPPSPFLELMKVIRE 252

Db 399 SRQVARESTVLSLKGSRHLPELGGPPLKKLQEVGEQSHPEIQOQPPGPESYVPPYRP 458

Qy 253 E-EEBEEASPENESIE 266

Db 459 SLEEDSASLSGESLD 473

RESULT 5

US-09-585-173B-12

; Sequence 12, Application US/09585173B

; Patent No. 6570063

; GENERAL INFORMATION:

; APPLICANT: Butler, Karlene

; APPLICANT: Famodu, Omolayo O.

; APPLICANT: Gutteridge, Steven

; APPLICANT: Maxwell, Carl

; TITLE OF INVENTION: Magnesium Chelataase

; FILE REFERENCE: BB1370 US NA

; CURRENT APPLICATION NUMBER: US/09/585,173B

; CURRENT FILING DATE: 2000-06-01

; PRIOR APPLICATION NUMBER: US 60/137,461

; PRIOR FILING DATE: 1999-06-04

; NUMBER OF SEQ ID NOS: 54

; SOFTWARE: Microsoft Office 97

; SEQ ID NO 12

; LENGTH: 750

; TYPE: PRT

; ORGANISM: Glycine max

US-09-585-173B-12

Query Match 6.8%; Score 100; DB 4; Length 750;

Db 316 GPGPKPLSV 324

RESULT 4

US-09-949-016-10835

; Sequence 10835, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 10835

Best Local Similarity 23.0%; Pred. No. 0.19;
Matches 64; Conservative 40; Mismatches 94; Indels 80; Gaps 13;
QY 21 FLERLNLFLKEG-----QTVSGMFRALGQGV-----PATVPCISPE-----LLAHL 65
Db 214 YVDEINLL--DEGISNLLNLVSEGNTVEREGISKPHCRPLLIATINPEEGAVREHLL 271
QY 66 GQAMAHAPQPLLMRYKRLRVFGSSAVPAPEES--FEVWLEQ-----ATBIVKE 113
Db 272 DRAINLSAD-LPMSFENRVAAGVATEFOENSQVFMVEEBETDNAQTQIILAREVYK 330
QY 114 WPVTEAKKRWLAESLRGPDALDMLHIVQADNPISVVEECLEAFKQVFGSLRSRTAQVRY 173
Db 331 VTILNRDQLKLVTEALRGCGQ--H--RAELFAARVAKCLAA-----LEGRE----- 373
QY 174 LKTYQEGEGKVSAYVLRLETLRLKAVEKRAIPRIADQVRLEQVMAGATLNQMLWCLRE 233
Db 374 -KVVYDD-----LKKAVELVLPRLSITESPPDQ----- 401
QY 234 LKQGGPPPSFLELMKVIREEBEESFENESIEPEER 271
Db 402 -QNQPPPPPPPPQNSGEEQNEEEDDKDENEQQ 438

RESULT 6
US-08-922-635-22
; Sequence 22, Application US/08922635A
; Patent No. 6033871
; GENERAL INFORMATION:
; APPLICANT: PILETZ, John E.
; APPLICANT: IVANOV, Tina R.
; TITLE OF INVENTION: DNA MOLECULES ENCODING IMIDALINE RECEPTIVE POLYPEPTIDES
; TITLE OF INVENTION: AND POLYPEPTIDES ENCODED THEREBY
; FILE REFERENCE: Corrected Sequence Listing
; Patent No. 6033871
; CURRENT APPLICATION NUMBER: US/08/922,635A
; CURRENT FILING DATE: 1997-09-03
; EARLIER APPLICATION NUMBER: 08/650,766
; EARLIER FILING DATE: 1996-05-20
; EARLIER APPLICATION NUMBER: 60/012,600
; EARLIER FILING DATE: 1996-03-01
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 22
; LENGTH: 1070
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-922-635-22

Query Match 6.7%; Score 98; DB 3; Length 1070;
Best Local Similarity 22.6%; Pred. No. 0.54;
Matches 65; Conservative 33; Mismatches 103; Indels 86; Gaps 14;
QY 30 EKEGQTVSGMFRAL-----GQGVSPATVPCISPELLAHLGQAMAHAP 73
Db 10 EKELDTVE-VLKAIOKAVEKSKLSNPKKGGDSRLSAAPCIRPSSPPTVAPASASLP 68
QY 74 QPLLPMRYKRLRVFGSSAVPAPEESFEVWLEQATVKE-WPVTEAKKRWLAESLRG- 131
Db 69 QPIL-----SNQGMFVQEEALASSLSSTDSLTPHEQPIAQG-----CSDSLES 113
QY 132 PA-----LDLMHIVQADNPISVVEECLEAFKQV-----GSLSRRTAQVRYLKYQEE 180
Db 114 PAQQAASDLDRLDVPAGVGGASP-----EHAPEVQVVPVGGQIIFLPFTCIGYTATNQD- 167
QY 181 GEKVSAYVLRLETLRLKAVEKRAIPRIADQVRLEQVMAGATLNQMLWCLRELKQGGPP 240
Db 168 -----FIQLRSTLIRQAIE-RQLP-----AWTEAANQREEGOG 199
QY 241 PSFLELMKVIREEBEESFENESIE-----EPEERDGYGRWNHGGDD 283
Db 200 EQGEE---EDEEBEEDVAENRYFEMGPPDVDEEEGGQGEDEEE 243

RESULT 7
US-09-364-206-2
; Sequence 2, Application US/09364206
; Patent No. 6475752
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Tang, Y. Tom
; APPLICANT: Baugh, Matthew R.
; APPLICANT: Kaser, Matthew R.
; TITLE OF INVENTION: Mammalian Imidazoline Receptor
; FILE REFERENCE: PC-0006 US
; CURRENT APPLICATION NUMBER: US/09/364,206
; CURRENT FILING DATE: 1999-07-30
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 1504
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY:
; OTHER INFORMATION: 129581CD1
; PUBLICATION INFORMATION:
US-09-364-206-2

Query Match 6.7%; Score 98; DB 4; Length 1504;
Best Local Similarity 22.6%; Pred. No. 0.91;
Matches 65; Conservative 33; Mismatches 103; Indels 86; Gaps 14;
QY 30 EKEGQTVSGMFRAL-----GQGVSPATVPCISPELLAHLGQAMAHAP 73
Db 444 EKELDTVE-VLKAIOKAVEKSKLSNPKKGGDSRLSAAPCIRPSSPPTVAPASASLP 502
QY 74 QPLLPMRYKRLRVFGSSAVPAPEESFEVWLEQATVKE-WPVTEAKKRWLAESLRG- 131
Db 503 QPIL-----SNQGMFVQEEALASSLSSTDSLTPHEQPIAQG-----CSDSLES 547
QY 132 PA-----LDLMHIVQADNPISVVEECLEAFKQV-----GSLSRRTAQVRYLKYQEE 180
Db 548 PAQQAASDLDRLDVPAGVGGASP-----EHAPEVQVVPVGGQIIFLPFTCIGYTATNQD- 601
QY 181 GEKVSAYVLRLETLRLKAVEKRAIPRIADQVRLEQVMAGATLNQMLWCLRELKQGGPP 240
Db 602 -----FIQLRSTLIRQAIE-RQLP-----AWTEAANQREEGOG 633
QY 241 PSFLELMKVIREEBEESFENESIE-----EPEERDGYGRWNHGGDD 283
Db 634 EQGEE---EDEEBEEDVAENRYFEMGPPDVDEEEGGQGEDEEE 677

RESULT 8
US-08-650-766-6
; Sequence 6, Application US/08650766D
; Patent No. 6015690
; GENERAL INFORMATION:
; APPLICANT: PILETZ, John E.
; APPLICANT: IVANOV, Tina R.
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A HUMAN IMIDAZOLINE RECEPTOR AND
; TITLE OF INVENTION: METHOD FOR CLONING THE SAME
; FILE REFERENCE: Corrected Sequence Listing
; Patent No. 6015690
; CURRENT APPLICATION NUMBER: US/08/650,766D
; CURRENT FILING DATE: 1996-05-20
; EARLIER APPLICATION NUMBER: US 60/012,600
; EARLIER FILING DATE: 1996-03-01
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 6
; LENGTH: 651
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-650-766-6

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 26, 2005, 16:45:49 ; Search time 75.1875 Seconds
(without alignments)
1478.945 Million cell updates/sec

Title: US-10-037-860-11

Perfect score: 1462

Sequence: 1 VQKGGWKVIFKTPNQDTE.....STEEPERDGYGRWNHGGD 283

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Gapop 10.0 , Gapext 0.5

Searched: 1767149 seqs, 392926209 residues

Total number of hits satisfying chosen parameters: 1767149

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_AA.*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
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- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US10E_PUBCOMB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US10F_PUBCOMB.pep.*
- 19: /cgn2_6/ptodata/1/pubpaa/US10G_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
- 21: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1462	100.0	283	13	US-10-037-860-11
2	1459	99.8	364	17	US-10-504-329-3
3	755	51.6	149	13	US-10-037-860-9
4	628	43.0	353	9	US-09-965-529-7
5	628	43.0	353	10	US-09-969-680A-7
6	628	43.0	353	20	US-11-048-692-7
7	618.5	42.3	463	13	US-10-037-860-13
8	597	40.8	452	16	US-10-408-765A-2385
9	596.5	40.8	351	9	US-09-965-529-1
10	596.5	40.8	351	10	US-09-804-014A-16
11	596.5	40.8	351	10	US-09-969-680A-1

12	596.5	40.8	351	15	US-10-341-434-10
13	596.5	40.8	351	20	US-11-048-692-1
14	593	40.6	195	13	US-10-037-860-7
15	564	38.6	329	13	US-10-037-860-4
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18	550	37.6	312	10	US-09-804-014A-73
19	550	37.6	312	10	US-09-804-014A-74
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21	394	26.9	403	15	US-10-094-466-38
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23	378.5	25.9	337	15	US-10-296-115-1208
24	215	14.7	120	10	US-09-804-014A-42
25	156.5	10.7	204	14	US-10-029-386-33747
26	123	8.4	120	10	US-09-804-014A-41
27	117	8.0	538	16	US-10-408-765A-2992
28	113	7.7	2383	14	US-10-082-830-260
29	110.5	7.6	584	15	US-10-291-172-355
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31	107	7.3	626	16	US-10-425-115-366836
32	107	7.3	1031	11	US-09-764-875-686
33	107	7.3	1035	15	US-10-158-057-197
34	107	7.3	1459	16	US-10-408-765A-2246
35	106	7.3	542	15	US-10-205-331-57
36	105.5	7.2	758	15	US-10-282-122A-67949
37	104.5	7.1	525	16	US-10-723-860-2125
38	103	7.0	544	16	US-10-723-860-2599
39	103	7.0	544	18	US-10-756-149-5421
40	102.5	7.0	614	17	US-10-732-923-12016
41	102.5	7.0	879	15	US-10-282-122A-60655
42	102	7.0	116	9	US-09-864-761-34645
43	102	7.0	225	10	US-09-764-891-4172
44	101.5	6.9	788	14	US-10-128-714-8204
45	101	6.9	339	16	US-10-425-115-334864

ALIGNMENTS

RESULT 1

US-10-037-860-11
; Sequence 11, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrha R. Rosenfeld
; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 283
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-11

Query Match	100.0%	Score 1462;	DB 13;	Length 283;
Best Local Similarity	100.0%	Pred. No. 3.1e-120;		
Matches 283;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	VQKGGWKVIFKTPNQDTEFLERLNLFLKESQTVSGMFRALGQEGVSPATVPCISPEL 60		
DB	1	VQKGGWKVIFKTPNQDTEFLERLNLFLKESQTVSGMFRALGQEGVSPATVPCISPEL 60		
QY	61	LAHLGQAMAHAPQLPMRYKLRVFGSAVPAPEESFEVWLEQATEIVKWPVTEAE 120		
DB	61	LAHLGQAMAHAPQLPMRYKLRVFGSAVPAPEESFEVWLEQATEIVKWPVTEAE 120		

Db 259 EKLSAVIRLEPLQKVKEGAIKDNVNQARLEQVIAGNHSRAIRRLQWL---TGAGE 315
QY 238 GPPPSFLELMKVIREEEEAESEENES 264
Db 316 GPAPNLFQLLVQIRREBEAEAEAE 342

RESULT 5
US-09-969-680A-7
; Sequence 7, Application US/09969680A
; Publication No. US20030124649A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti; YUE, Henry
; APPLICANT: TANG, Y. Tom; BANDMAN, Olga
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.; LU, Dyoung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731-1 USA
; CURRENT APPLICATION NUMBER: US/09/969,680A
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 2483172CD1
US-09-969-680A-7

Query Match 43.0%; Score 628; DB 10; Length 353;
Best Local Similarity 47.9%; Pred. No. 1.1e-46;
Matches 128; Conservative 52; Mismatches 75; Indels 12; Gaps 4;

QY 3 GKGGWKVIFKTPNODTEFLERLNLFLEKEGQTVSGMFRALQGVSPATVPCISPPELLA 62
Db 83 GKGGWKVLFKPTSDAEFLERLHLFLAREGTVQDVAVILGFQNPPTTP---GPEMPA 138
QY 63 HLLGQAMAHAPQPLL-PMRYKLRVFGSAVPAPPEESPEVWLEQATEIVKWPVTEAEK 121
Db 139 EMLNYILDNVQLPVSISWYKRLTFSGRDIPGGEETFDPMLEHTNEVLEEQVSDVEK 198
QY 122 KRWLAESLRGPALDLMHIVQADNPISVVEECLEAFKQVFGSLERRTAQVRYLKYQERG 181
Db 199 RRLMESLRGPAADVIRILKSNPAITTAECLEKALQGVSGVSSSDAQIKFLNTYQNG 258
QY 182 EKVSAYVLRLETLRKAVEKRAIPRIADQVRLEQVMAGA---TLNQMLWCRLRELKQ 237
Db 259 EKLSAVIRLEPLQKVKEGAIKDNVNQARLEQVIAGNHSRAIRRLQWL---TGAGE 315
QY 238 GPPPSFLELMKVIREEEEAESEENES 264
Db 316 GPAPNLFQLLVQIRREBEAEAEAE 342

RESULT 6
US-11-048-692-7
; Sequence 7, Application US/11048692
; Publication No. US2005012390A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti; YUE, Henry
; APPLICANT: TANG, Y. Tom; BANDMAN, Olga
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.; LU, Dyoung Aina M.

; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731-1 USA
; CURRENT APPLICATION NUMBER: US/11/048,692
; CURRENT FILING DATE: 2005-02-02
; PRIOR APPLICATION NUMBER: US/09/969,680
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 2483172CD1
US-11-048-692-7

Query Match 43.0%; Score 628; DB 20; Length 353;
Best Local Similarity 47.9%; Pred. No. 1.1e-46;
Matches 128; Conservative 52; Mismatches 75; Indels 12; Gaps 4;

QY 3 GKGGWKVIFKTPNODTEFLERLNLFLEKEGQTVSGMFRALQGVSPATVPCISPPELLA 62
Db 83 GKGGWKVLFKPTSDAEFLERLHLFLAREGTVQDVAVILGFQNPPTTP---GPEMPA 138
QY 63 HLLGQAMAHAPQPLL-PMRYKLRVFGSAVPAPPEESPEVWLEQATEIVKWPVTEAEK 121
Db 139 EMLNYILDNVQLPVSISWYKRLTFSGRDIPGGEETFDPMLEHTNEVLEEQVSDVEK 198
QY 122 KRWLAESLRGPALDLMHIVQADNPISVVEECLEAFKQVFGSLERRTAQVRYLKYQERG 181
Db 199 RRLMESLRGPAADVIRILKSNPAITTAECLEKALQGVSGVSSSDAQIKFLNTYQNG 258
QY 182 EKVSAYVLRLETLRKAVEKRAIPRIADQVRLEQVMAGA---TLNQMLWCRLRELKQ 237
Db 259 EKLSAVIRLEPLQKVKEGAIKDNVNQARLEQVIAGNHSRAIRRLQWL---TGAGE 315
QY 238 GPPPSFLELMKVIREEEEAESEENES 264
Db 316 GPAPNLFQLLVQIRREBEAEAEAE 342

RESULT 7
US-10-037-860-13
; Sequence 13, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Joseph O. Dalmau
; APPLICANT: Myrina R. Rosenfeld
; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 463
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-13

Query Match 42.3%; Score 618.5; DB 13; Length 463;

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Best Local Similarity 50.2%; Pred. No. 1.1e-45;
Matches 135; Conservative 44; Mismatches 85; Indels 5; Gaps 3;

Qy 1 VQKGGVWVIFKTPNQDTFFLERLNLFLEKEGQTVSGMFRALQGEVSPATVPCISPEL 60
Db 82 IPKGGGWEVIVPRNSDGBFLNRLNRFLEERBTYSDMNRVLGSDTNCAPRVTISPEF 141
Qy 61 LAHLGQAMAHAPQPLL-PMRYRKLRFVSGSAVPAPEESFEVWLEQATEIVKEWPVTEA 119
Db 142 WT--WAQTGAANQVPLEQMLYRELRFVSGNTTISIPGALAFDAWLEHTTLMQWQVPEG 199
Qy 120 EKKRWLAESLRGPDALDHIVQADNPSISVEECLEAFKQVFGSLESRRRTAQVRYLKYQE 179
Db 200 EKKRRLMECLRGPAQVVSGLRASNASITVEECALALQVFGPVESHKIAQVVKCKAYQE 259
Qy 180 EGEKVSAYVLRLETLRLKAVEKRAIPRIADQVRLEQVMAGATLNQMLWCRLELKDQGP 239
Db 260 AGEKVSFVLRLEPLQRAVNNVSRNVTNRLKRVLSGATLPDKLRDKLKMQRK 319
Qy 240 PPGFLELMKVIREEEBEASF--ENESIE 266
Db 320 PPGFALVKKLREEEWEATLGPRESLE 348

RESULT 8
US-10-408-765A-2385
; Sequence 2385, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2385
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-2385

Query Match 40.8%; Score 597; DB 16; Length 452;
Best Local Similarity 46.3%; Pred. No. 8.5e-44;
Matches 132; Conservative 48; Mismatches 79; Indels 26; Gaps 5;

Qy 1 VQKGGVWVIFKTPNQDTFFLERLNLFLEKEGQTVSGMFRALG----QEGVSPATVPC 55
Db 86 IPKGGGWEVIVPRNPDEDFLSRLNYFLDKDEGRSMTDVARALGCCSLPAESLDAEVMQ 145
Qy 56 I-SPELLAHLGQAMAHAPQPLLPMRYRKLRFVSGSAVPAPEESFEVWLEQATEIVKEW 114
Db 146 VRGPPL-----EPPKSMWRKUKRVSGTASPGSBETFDWLEQVTEIMPIW 193
Qy 115 PVTEAEKKRWLAESLRGPDALDHIVQADNPSISVEECLEAFKQVFGSLESRRRTAQVRYL 174
Db 194 QVSEVEKKRRLLESRLGPAISIMRVLQANDSITVEQCLDALKQIFGDKEDFRASQRFPL 253
Qy 175 KTYQEBEGKVSAYVLRLETLRLKAVEKRAIPRIADQVRLEQVMAGATLNQMLWCRLEL 234
Db 254 QTSPKIGEKVSTFLLRLEPLLQKAVHKSPLSVSRSTDMLRKLHLLARVAMTPALRGKLEL 313
Qy 235 KOQPPPSFLELMKVIREEE---EEASFENESIEEPEERDGYCR 276
Db 314 DQRCPPNPFLELMKLRDEBEWEATEAMKNK-----EKPSSGR 353

RESULT 9
US-09-965-529-1
; Sequence 1, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Henry
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731 USA
; CURRENT APPLICATION NUMBER: US/09/965,529
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
US-09-965-529-1

Query Match 40.8%; Score 596.5; DB 9; Length 351;
Best Local Similarity 48.3%; Pred. No. 6.7e-44;
Matches 128; Conservative 49; Mismatches 75; Indels 13; Gaps 5;

Qy 1 VQKGGVWVIFKTPNQDTFFLERLNLFLEKEGQTVSGMFRALQGEVSPATVPCISPEL 60
Db 82 IPKGGGWEVIVPRNPDPDNTFLSRLNEFLAGEGTVGELSRALGHENGSLDPQGMIPEM 141
Qy 61 LAHLGQAMAHAPQPLL-PMRYRKLRFVSGSAVPAPEESFEVWLEQATEIVKEWPVTEA 119
Db 142 WAPMLAQAL-EALQPALQCLKYKLVFSGRESPEGEFEFGRMFHTTQMIRKAWQPDV 200
Qy 120 EKKRWLAESLRGPDALDHIVQADNPSISVEECLEAFKQVFGSLESRRRTAQVRYLKYQE 179
Db 201 EKKRRLLESRLGPDALDHIVRLKINNPLITVDECLQALEEVFGVTDNPRELQVXYLTQK 260
Qy 180 EGEKVSAYVLRLETLRLKAVEKRAIPRIADQVRLEQVMAGA---TLNQMLWCRLELKD 236
Db 261 DEEKL SAYVLRLEPLQKLVQRAIERDAVNQARLDQVIAGAVHKTIRREL-----NLPE 315
Qy 237 QGPPPSFLELMKVIRE---EEBEEA 258
Db 316 DGPAPGLQLLVLLIKDYEAABEEEA 340

RESULT 10
US-09-804-014A-16
; Sequence 16, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shimkets, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
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; OTHER INFORMATION: Incyte ID No. US20030124649A1 112301CD1
US-09-969-680A-1

Query Match          40.8%; Score 596.5; DB 10; Length 351;
Best Local Similarity 48.3%; Pred. No. 6.7e-44;
Matches 128; Conservative 49; Mismatches 75; Indels 13; Gaps 5;

Qy 1 VQKGGVWKVIFKTPNQDTFLERLNLFLBKEGQTVSGMPRALQGEVSPATVPCISPEL 60
Db :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
82 IPKGGIWRVIFKPPDPDNFTFLSRLNEFLAGEGWTGELSRAIGHENGSLDPEQGMIPEM 141
:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Qy 61 LAHLGQAMAHAPQLLP-MRYRKLRVFSSAVPAPEEESFEVWLEQATIVIKWVPTEA 119
Db :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
142 WAPMLAQAAL- EALQPALQCLKYKRLRVFSGRESPEGESEFGFRMFTTQMIKAWQVPDV 200
:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Qy 120 EKKRWLAESLRGPALDLMHIVQADNPISISVEECLEAPKQVFGSLESRRTAQVRVLYKTYQE 179
Db :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
201 EKRRLLSRLRGPALDVIRVILKNNPLITVDECLQALEEVFGVTDNPRELQVKYLTYYQK 260
:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Qy 180 EGEKVSAYVLRLETLRKAYEKAIRPRIADQVRLEQWMAGA---TLNQMLWCRLRELKD 236
Db :DEEKL SAYVLRLEPLQLKLVORGAIERDAVNQARLDQVIAGVHKTIRREL-----NLPE 315
:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Qy 237 QGPPPSFLELMKVIRE---EBESEA 258
Db :|||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
316 DGPAPGFLOLLVLIKDYEAABESEA 340
:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

RESULT 12
US-10-341-434-10
; Sequence 10, Application US/10341434
; Publication No. US20030215835A1
; GENERAL INFORMATION:
; APPLICANT: Origene Technologies
; TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes
; FILE REFERENCE: 9U 204 205 RI
; CURRENT APPLICATION NUMBER: US/10/341,434
; CURRENT FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: US 60/348,164
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: US 60/348,119
; PRIOR FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-341-434-10

Query Match          40.8%; Score 596.5; DB 15; Length 351;
Best Local Similarity 48.3%; Pred. No. 6.7e-44;
Matches 128; Conservative 49; Mismatches 75; Indels 13; Gaps 5;

Qy 1 VQKGGVWKVIFKTPNQDTFLERLNLFLBKEGQTVSGMPRALQGEVSPATVPCISPEL 60
Db :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
82 IPKGGIWRVIFKPPDPDNFTFLSRLNEFLAGEGWTGELSRAIGHENGSLDPEQGMIPEM 141
:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Qy 61 LAHLGQAMAHAPQLLP-MRYRKLRVFSSAVPAPEEESFEVWLEQATIVIKWVPTEA 119
Db :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
142 WAPMLAQAAL- EALQPALQCLKYKRLRVFSGRESPEGESEFGFRMFTTQMIKAWQVPDV 200
:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Qy 120 EKKRWLAESLRGPALDLMHIVQADNPISISVEECLEAPKQVFGSLESRRTAQVRVLYKTYQE 179
Db :||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
201 EKRRLLSRLRGPALDVIRVILKNNPLITVDECLQALEEVFGVTDNPRELQVKYLTYYQK 260
:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Qy 180 EGEKVSAYVLRLETLRKAYEKAIRPRIADQVRLEQWMAGA---TLNQMLWCRLRELKD 236
Db :DEEKL SAYVLRLEPLQLKLVORGAIERDAVNQARLDQVIAGVHKTIRREL-----NLPE 315
:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Qy 237 QGPPPSFLELMKVIRE---EBESEA 258
Db :|||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
316 DGPAPGFLOLLVLIKDYEAABESEA 340
:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

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OM protein - protein search, using sw model

Run on: August 26, 2005, 16:35:24 ; Search time 34.9126 Seconds
(without alignments)
989.972 Million cell updates/sec

Title: US-10-037-860-13

Perfect score: 2423

Sequence: 1 MPTLLQDWCRGHEHLNTRC.....VESGNGNWDKSHPKSKAK 463

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/ptodata/1/iaa/5A COMB.pdp.*
2: /cgn2_6/ptodata/1/iaa/5B COMB.pdp.*
3: /cgn2_6/ptodata/1/iaa/6A COMB.pdp.*
4: /cgn2_6/ptodata/1/iaa/6B COMB.pdp.*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pdp.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pdp.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2394	98.8	462	3	US-09-189-527-13
2	766.5	31.6	329	3	US-09-189-527-4
3	462.5	19.1	195	3	US-09-189-527-7
4	122	5.0	2293	3	US-09-368-590-2
5	113	4.7	706	4	US-09-949-016-8626
6	110.5	4.6	341	4	US-09-352-991A-20182
7	110	4.5	373	4	US-09-919-497-53
8	110	4.5	384	4	US-09-949-016-11663
9	110	4.5	718	4	US-09-252-991A-32743
10	104.5	4.3	499	4	US-09-302-540-14780
11	104	4.3	312	4	US-09-302-540-11866
12	104	4.3	383	4	US-09-489-039A-11848
13	104	4.3	2600	4	US-09-949-016-7309
14	103	4.3	551	4	US-09-583-110-5058
15	101.5	4.2	1201	4	US-09-252-991A-32259
16	101	4.2	550	4	US-09-538-092-1259
17	101	4.2	580	4	US-09-252-991A-22036
18	100	4.1	363	4	US-09-252-991A-26726
19	100	4.1	369	4	US-09-252-991A-22549
20	99.5	4.1	1050	4	US-09-555-554-2
21	99	4.1	520	4	US-09-949-016-8026
22	99	4.1	639	1	US-08-466-390-2
23	99	4.1	639	1	US-08-470-950-2
24	99	4.1	639	1	US-08-467-781-2
25	99	4.1	639	1	US-08-195-487-2
26	99	4.1	639	2	US-08-483-924-2
27	99	4.1	639	5	PCT-US93-06160-2

ALIGNMENTS

RESULT 1

US-09-189-527-13

; Sequence 13, Application US/09189527A

; Patent No. 6387639

; GENERAL INFORMATION:

; APPLICANT: Jerome B. Posner

; APPLICANT: Josep O. Dalmau

; APPLICANT: Myrna R. Rosenfeld

; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma

; TITLE OF INVENTION: Antibodies

; FILE REFERENCE: SLK98-01

; CURRENT APPLICATION NUMBER: US/09/189,527A

; CURRENT FILING DATE: 1998-11-10

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 13

; LENGTH: 462

; TYPE: PRT

; ORGANISM: homo sapiens

US-09-189-527-13

Query Match 98.8%; Score 2394; DB 3; Length 462;

Best Local Similarity 100.0%; Pred. No. 4.9e-247;

Matches 457; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 QDWCRGHEHLNTRCMLILGIPDCGDEFEETLQEAACRHLGRYRVIGRMFRREENAQAIL 66

Db 1 QDWCRGHEHLNTRCMLILGIPDCGDEFEETLQEAACRHLGRYRVIGRMFRREENAQAIL 60

QY 67 LBLAQIDYALLPREIPGKGGPWEIVTKPRNSDGEFLNLRFLFEERTVSDMNRVLGS 126

Db 61 LBLAQIDYALLPREIPGKGGPWEIVTKPRNSDGEFLNLRFLFEERTVSDMNRVLGS 120

QY 127 DTNCSAPRTVISPEFWTWAOTIGAAVQPLLEQMLYRELRFVSGNTISIPGALAFDAWLEH 186

Db 121 DTNCSAPRTVISPEFWTWAOTIGAAVQPLLEQMLYRELRFVSGNTISIPGALAFDAWLEH 180

QY 187 TTETMLQMQVPEGEKRRRLMECLRGALQVSGLRASNASITVEECLALQVFGPVESH 246

Db 181 TTETMLQMQVPEGEKRRRLMECLRGALQVSGLRASNASITVEECLALQVFGPVESH 240

QY 247 KIAQVKLCXAYQAEAGKSSFFVLRLPLQRAVENNVSSRRNVNTRLKRVLSGATLPDK 306

Db 241 KIAQVKLCXAYQAEAGKSSFFVLRLPLQRAVENNVSSRRNVNTRLKRVLSGATLPDK 300

QY 307 LRDKLKLKQKRPQCFLLAVKLLREEEWEATLQPDRESLEGLVAPPPARITGVAV 366

Db 301 LRDKLKLKQKRPQCFLLAVKLLREEEWEATLQPDRESLEGLVAPPPARITGVAV 360

QY 367 PLPASGNSFDARPSQGYRRRRRGQHRRGVARAGSRGSRKRRKRTFTFCYSCGDGHIRVQ 426

Sequence 12568, A
Sequence 23346, A
Sequence 13635, A
Sequence 28446, A
Sequence 4, Appli
Sequence 26482, A
Sequence 3291, Ap
Sequence 30867, A
Sequence 3227, Ap
Sequence 2, Appli
Sequence 31502, A
Sequence 24973, A
Sequence 20455, A
Sequence 2, Appli
Sequence 17953, A
Sequence 28918, A

Db 1017 GWIHEKMLMARDGTREDNHLKHLKRWLRHQAFMA---ELAQKWEKLEKIEREGPATDAGEA 1073
QY 349 ---GL--EVAIPRPARTITGVGA-VPLPAGNSGDFARPESQ 381
Db 1074 RTGGLRAEEAGRDPPVGGAGHHGPRHGSLL--RFSK 1110

RESULT 5
US-09-949-016-8626
; Sequence 8626, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 8626
; LENGTH: 706
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8626

Query Match 4.7%; Score 113; DB 4; Length 706;
Best Local Similarity 21.4%; Pred. No. 0.013;
Matches 84; Conservative 57; Mismatches 150; Indels 102; Gaps 20;

QY 19 RCLMLIGIPDCGDEFEETLOEACRHLGRLYRIGRMFRRENAQAAILLELAQDIDYAL 78
Db 243 RCLKTPVPEENTAITITVLYEVFIEMG---ISAKYFGATTNYGKDIVKACSLLDVAV- 298

QY 79 PREIPGKG-----GPWEIVKVRNSDGEFLNRLNRFLEBERRTVSDMNRVLGSDTNC-A 132
Db 299 --HMPCLIGHTFNAGIQAFQPLK--CALLSRCKLVEYFQSAVAMVLYEKQKQONVA 354

QY 133 PRTVISPEFTWATGLAAQVPLLEQMLYRELVRFSGNTSIPCALAFDAWLEHTTEMLO 192
Db 355 HCMLVSNRVSWSGSL-AMLQRLKEQFV-----IAGVLVDSNNHMLLEAS 401

QY 193 MWQVPEGEKERRLMCELRGPALQVSGLRAS-----NASITVEECLAL 236
Db 402 EWATIEG-----LVLELQ-PFKQVAEMLASRYPTISMVKPLHMLLNTLTNIKE----- 450

QY 237 QQVFGPVESHKIAQVK-----LCKAYQAGE-----KVSFVLRLEPLQR-----AVE 280
Db 451 -----TDSKELSMKEVIAKELSKTYQETPEIDMFLNVATF---LDPRYKRLPFLSAFE 501

QY 281 NNVSRRNVNQTR--LKRVLSGATLPDKRLK-----KLMKQREKPPGFL---A 325
Db 502 RQVENRVSEAGLLDKVKGGRYP--AEDKIFPVPEPPVKLMRTSTPTPPASVINNM 559

QY 326 LVKL-----LRBEEWEATLGPDRSLEGLV 352
Db 560 LAEIFCOTGTVGDEQEEHQAQVVELSNFKSQV 592

RESULT 6
US-09-252-991A-20182
; Sequence 20182, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 20182
; LENGTH: 341
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-20182

Query Match 4.6%; Score 110.5; DB 4; Length 341;
Best Local Similarity 24.3%; Pred. No. 0.007;
Matches 66; Conservative 22; Mismatches 109; Indels 75; Gaps 11;

QY 208 CLRGPALQVVSGLRASNASITVEECLAAALQQVFGPVESHKIAQVKLCKA----- 256
Db 16 CLGGP-----VDGHPAKHASLRGNGKLRHGVPAQAQHH-----RLCFAGGGQPRDAPAH 67

QY 257 -----YQEA-----GEKVSSFVLRLEPLQRAVENNVSRNNVQTRLKRVLSGATLPDK 306
Db 68 PPAQPYHSSHRPHRGPRPALPAALRADPRLRRSGR--SORRCPTRRQ---AAAAFDDR 122

QY 307 LRDKLXMKQRKPCGFLALVKLLREEEWEATLGPDRSLE----- 348
Db 123 HRPALRDPHRRLLP-----AVPRDLRPHGQPPAGPARGLRGRHGGGLRAARFRLHFA 179

QY 349 -----GLEVAPRPPARITGVGAVPLPASPAGNSGDFARPESQGYRR--RRRGGQHR 394
Db 180 HREDLQHSRLAGVPAPERHAERAFAGQOPRLPAPGPGGAAGSLAVRSGRFGNGLHRR 239

QY 395 ----GQVABAGSRGSRKRKHTEFCYSCGSDGH 422
Db 240 LAVPGQCRRRHRDRGNPLRTGHR--HPAGVFGH 269

RESULT 7
US-09-919-497-53
; Sequence 53, Application US/09919497
; Patent No. 6773883
; GENERAL INFORMATION:
; APPLICANT: Mutter, George L.
; TITLE OF INVENTION: PROGNOSTIC CLASSIFICATION OF ENDOMETRIAL CANCER
; FILE REFERENCE: B0801/7225
; CURRENT APPLICATION NUMBER: US/09/919,497
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/221,735
; PRIOR FILING DATE: 2000-07-31
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 53
; LENGTH: 373
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-919-497-53

Query Match 4.5%; Score 110; DB 4; Length 373;
Best Local Similarity 24.2%; Pred. No. 0.0092;
Matches 97; Conservative 49; Mismatches 144; Indels 110; Gaps 20;

QY 22 LILGIPDCGDEFEETLOEACRHLGRLYRIGRMFRRE-----NAQAILLLELAQD 72
Db 20 VCVGSEQTTTQCEWIALAQAGTGRFVLQRLKEKERQLLPQECFVGAQATCGQFASD 79

QY 73 IDYALLPREIPGKGG-----PWE-----VIVKPRNSDGEFLNRLNRFLEBERRTV 117
Db 80 VQF-VLVRTGSPSLAGRPSSDSPPPERCLIRASLPVKPRAALG-----CBPRKTL 128

QY 118 SDMNRVLGSDTNCAPRVTTISPEFTWATLGAQVPLLEQMLYRELVRFSGNTSIPGA 177

[illegible]

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Qy 333 EEWENATLGDRESLEGLVAPR---PPARITGVGAVPLP 369
Db 337 ---ESLLGAPSGHAGQPRPRGGPHDAELLEVAAPAP 372

RESULT 9
US-09-252-991A-32743
; Sequence 32743, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32743
; LENGTH: 718
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32743

Query Match 4.5%; Score 110; DB 4; Length 718;
Best Local Similarity 21.7%; Pred. NO. 0.027;
Matches 70; Conservative 31; Mismatches 93; Indels 128; Gaps 16;

Qy 242 PVESHKIAQVKLCKAYQEAQEKVSFVLRLEPL-----LQRAVE---- 280
Db 122 PEKPHVPRHVDAYRQFGQATR---RLSPRPGRRRTDRHAGGGPRQALHLARA 178
Qy 281 -----NNVSVRRNNQTKRLVLSGATLPDKLRKLMKORRPPG-----FLALV 327
Db 179 DGHRRCLHPLPAGRRGLPRRLRGAV--ANLPSRARDH---GVRRRPAGGGLFRLGLA 232
Qy 328 KLLREEEWEANTLGDRESLEGLVAPRPAR-ITG-----VCVAPLPASGNSF 375
Db 233 QRTVPDGAARTPAADRRDRRLRRRAPARGRTGRRGGGQRPDPAGATPPA----- 287
Qy 376 DARPSQGYRRRG-----RGQHR----- 393
Db 288 -GEPGQGLQRRPCPPAPPPSAGGARGHLRGLHRRPAPVRRRPRGSRQKVAAG 346
Qy 394 RGVVARAGSRGRK-----RKRHTFCVSCGDGHIRVQCTINPSNLL-----VKQK 439
Db 347 RGGPGRAGLPAHRRRHFGLPRRRHSYRPA---DGH-RAGLPGRSGYLQAGPDPVRRH 402
Qy 440 KQAAVESGNGNWDKSHPKSK 461
Db 403 AHQAPAGRG-----HPRPR 417

RESULT 10
US-09-902-540-14780
; Sequence 14780, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 14780

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; LENGTH: 499
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-14780

Query Match      4.3%; Score 104.5; DB 4; Length 499;
Best Local Similarity 24.0%; Pred. No. 0.058;
Matches 99; Conservative 45; Mismatches 124; Indels 145; Gaps 23;

QY 31 GEDEFE-----ETLQACRHLGRVYIGRMFRREENAQAALLLEAQQ--IDYA 76
DB 163 GEDEGEDLLIHDNVFGTAQQAR-----RDFTINGLFYDVGSRVIDY- 209
QY 77 LLPREIPGKGPMEVIVKPRNSDCEFLNRLNRFLEERRTVSDMNRVLGSDTNCSPRV 136
DB 210 -----VRGR-----RDLDERFIRTIG--DPEVRMEDPVRILRAVR--FAKUG 249
QY 137 ISPEFTWATOLGAOVPLLE-----OMLYRELRFVSGNTISPGALAFADWLHSHTEMLQ 192
DB 250 LDIESRTYAAMEG-AVEDLPCAPARLLBETFRLLIRGG-VSAPALKLLDA-----LDALK 302
QY 193 MQQVP-----EGERK-----RELMECLRGPALQVVSGLRASNASITVEECL 233
DB 303 ILLPPVNAVYKQKGEKEKTFYAPASLDR-----VSAGEALDDAILLAMLL 350
QY 234 AALQOVFGPVESHKIAQVCLKAYQAGEKVSFVLRLPLELQRAVENNVVSRNNVQTR 293
DB 351 IPISRTSGPES-----QGRPSVSQV---EDLAGFVSQARLPRIAERC 395
QY 294 L-----KRVLSGATLPDKLRDKLKMQRKPPGF-----LALVKLLREEEWEATLGPDR 345
DB 396 MLLLAQRTLSG-----ERRRSAAFKRHPLFSEALTVFEMTVEAT-GENRE 440
QY 346 SLEGLEVAPPPARITGVGAVPLP-----ASGNSFDARPSOGYRRRCRGQHR 394
DB 441 QLEAWK-----AGEVPQRAAADGESDA---GGQRKRRRRRRR 479

RESULT 11
US-09-902-540-11866
; Sequence 11866, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 11866
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-11866

Query Match      4.3%; Score 104; DB 4; Length 312;
Best Local Similarity 24.0%; Pred. No. 0.03;
Matches 67; Conservative 30; Mismatches 84; Indels 98; Gaps 15;

QY 227 ITVECLAAQQ--VFGPVESHKIAQVCLKAYQEA-----GEKVSSFVLBLEPL 274
DB 15 IELERSLDAMDHFVAVLGLKGPAPSEVK--QAYYNASRRPHDPDYFGKNLGSFRAMERI 72
QY 275 LQRAVE--NNVSVRRNVQTRLKRVLGATLPDK---LRDKLKMQR-----KPP 321
DB 73 FRRLTAHNVLMQ-----PDKREAYLRANPALAQAEAAAPPPSAPP 115
QY 322 GFLLALVKLLREBEWEATLGPDRSLEGLEVAPPPARITGVGAVPLPASPNSFDARP-- 379
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DB 116 PSAPAQHLLTPEP-----PPVHQLSSPPPPAPPPVASSGPPSIPPP-----SRPLA 161
QY 380 -----SQYRRRRRGQHRGGVARAG-----SRGSRKRKRHTFCYSCGE 419
DB 162 PPDDGASBARRAEROARLARHPYLARTGLRLAELIARGKAAIASGDMWAYHDF----- 215
QY 420 DGHIRVQCINPS-----LLLVKQKK-----QAAVESGNG 449
DB 216 --H-QVQWDPKPKREVALLLVKARGHDSQRATIEVARG 251

RESULT 12
US-09-489-039A-11848
; Sequence 11848, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 11848
; LENGTH: 383
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-11848

Query Match      4.3%; Score 104; DB 4; Length 383;
Best Local Similarity 22.5%; Pred. No. 0.042;
Matches 60; Conservative 44; Mismatches 91; Indels 72; Gaps 12;

QY 114 RRTVSDMNRVLGSDTNCSPRVITISPEFTWATOLGAOVPLLEOMLYRELRFVSGNTIS 173
DB 118 ORGAELHR-CRSETLCFTLRATISSSFITHPRNMNDIAHNLAQ---VRD-----K 164
QY 174 IPGALAFADWLHSHTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECL 233
DB 165 ISGAAA-----RCGRAPEEVTLLAVSKTKPASAEAI 197
QY 234 AALQOVFGPVESHKIAQVCLKAYQAGEKVSFVLRLPLELQRA---VENNVSVRRNV 289
DB 198 AAGQAFG--ENY-----VQGVKINHF-----QAGVSGLQWHFIFGPLOS 237
QY 290 NOTRL-KRVLSGATLPDKLRDKLKMQRKPPGPFLLALVKLLRE---EEWEATLGPDRS 346
DB 238 NKSRLVAEHFDNCHTVDRLEKIATRLNEQR---PAHLPLKVLQIINISDEQSKSGIPLEA 294
QY 347 LEGL--EVAPPPARITGVGAVPLPAS 371
DB 295 LDGLAAETAEPLHLELRLGLMAIPAPES 321

RESULT 13
US-09-949-016-7309
; Sequence 7309, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
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; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7309
; LENGTH: 2600
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7309

Query Match      4.3%; Score 104; DB 4; Length 2600;
Best Local Similarity 23.3%; Pred. No. 1;
Matches 84; Conservative 52; Mismatches 125; Indels 100; Gaps 19;

Qy 60 ENQAAILLELAQDIDYALLPREIPGK-----GGPWEVIVKPRNSDGEFL---NR 105
Db 1071 EPRQAALLEBA-----ALLAERFPQAARLHQGAELGAELGAEWGAALASAAQACGSAVAAGR 1125
Qy 106 LNRFLBEERTVSDMNRVLGSDTNCSPRVTTISPEFTWTAOTLGAAVOPLLEOMLYRE-- 163
Db 1126 LQFLHDLDAFLDWLVPRAQAAGSEGP-----LPNSLEEDALLARHAALKKEVDQREED 1181
Qy 164 -LRVFSGN--TISIPGA-----LAFDAWLEHTT-----EMLQMWQVPEGEKRRRLMEC--- 208
Db 1182 YARIVAASEALLAAGDAELGFLGALDEWLPHELGWHKLLGLWEA-----RREALVQAHY 1237
Qy 209 ---LRG--PALQVVG--LRASNASI--TVEECLALAQVFGPVESHKIAOVKLCAYQE 259
Db 1238 QLFRLDLRQALVLRNQEMALSGAELPGTVESVEEALKOHRDLFTTMELSQQKMQVAVQA 1297
Qy 260 A-----GEKVSFVLRLPLELQRAVENNVSRNNVQTLKRVLGSGATLPKLRD 309
Db 1298 AEGLLRGNIYGQAQAVTRL-----LEKQENQLRAQWM-----QKLHD 1339
Qy 310 KKLK---MKQRRKPPGFLALVKLL-----REE-----EWEATLGPDRSLEGL 350
Db 1340 QLELQHLRDCHELDGWIHEKMLWARDSTREDNHLKHLRWLRHQAFMAELAQNKWLEKI 1399
Qy 351 E 351
Db 1400 E 1400

RESULT 14
US-09-583-110-5058
; Sequence 5058, Application US/09583110
; Patent No. 6699703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 5058
; LENGTH: 551
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-5058

Query Match      4.3%; Score 103; DB 4; Length 551;
Best Local Similarity 21.5%; Pred. No. 0.098;
Matches 91; Conservative 63; Mismatches 163; Indels 106; Gaps 21;

Qy 31 GEDFEETLQEA--CRHLGGRV--IGRMFRRENAQAAIL-----ELAQDIDYALLPREI 82
Db 99 GVDEIRDKSTVAPSLARYKVYIIDEVHMLSTGAFNALLKTELEPTQNVVFIATTEL 158

; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7309
; LENGTH: 2600
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7309

Query Match      4.2%; Score 101.5; DB 4; Length 1201;
Best Local Similarity 20.7%; Pred. No. 0.52;
Matches 98; Conservative 58; Mismatches 155; Indels 163; Gaps 20;

Qy 37 ETLQEAACRHLGRY-----RVIGRMF---REENAQAAILLELAQDIDYALLPREI 82
Db 645 ETLQEAQAORGLDDGESLISRDGYVWGRHFLVRRSDEAQQGMIAQAQELE--ALOERRE 703
Qy 83 PGKGGPWEVIVKPRNSDGEFLNRLNRFLEEE-----RRTVSDMNRVLGSDTNCSA 132
Db 704 P-----LETRVSEGE--EELAAARDEQLEGAREQVRVQVEGRRHGE----- 746
Qy 133 PRVTISPEFTWTAOTGAAVQPLLEOMLYRELVRFLVSGNTISITPGALAFDAWLEHTT 192
Db 747 -----LKAQLSAQAQKVEQLVLRRL-----DEEVAELAEQRA 780
Qy 193 MMQVPEGEKRRRLMECLRGPALQV----- 216
Db 781 LEQEQUSEARLTIQEAALDSMALDTERRETLAERDALRELRDRIQDARTHKDHQHLAV 840
Qy 217 -VSGLRASNASITVEECLAAALQOVFGPVESHKIAOVKLCAYQEAQEKVSSFVLRLEPLL 275
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Db	841	RVGSLKQHS--TQALERLDQASRL--NERCEQLNL--NLEBGAAPLEELRMKLELL	895
Qy	276	QR--AVENN-----VSRNVNTRLKRVLSGATLPDKLR-----DKLK	312
Db	896	ERRWAVEDELKQARLALEDADRELREVEKRGQAEQQSOLLRGQLEQQORLEWQGLVVRK	955
Qy	313	LMKORRPPGF-----LALVKLLREEEWEATLGPDPRESLEGLVAPRPPARITGVGAVP	367
Db	956	ALQQLAEDGYDLHTVLANLPDASERDWE-----ERLES-----AARIQRLGFIN	1002
Qy	368	LPASGNSFDARPSQGYRRRRGRGH-----RRGGVARAGSGSRKRKHTF	413
Db	1003	LAA-----IEEYQQOSERKRYLDSQNDLAEALETLENVIRKIDRETRNRFKETP	1052

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Job time : 36.9126 secs

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OM protein - protein search, using sw model

Run on: August 26, 2005, 16:45:49 ; Search time 123.01 Seconds

(without alignments)
1478.945 Million cell updates/sec

Title: US-10-037-860-13

Perfect score: 2423

Sequence: 1 MPTLLQDWCRGHEHLNTRRC.....VSSGNGNWDKSHPKSKAK 463

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1767149 segs, 392926209 residues

Total number of hits satisfying chosen parameters: 1767149

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

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4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
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6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US10E_PUBCOMB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
19: /cgn2_6/ptodata/1/pubpaa/US11A_PUBCOMB.pep.*
20: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
21: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2423	100.0	463	13	US-10-037-860-13
2	883.5	36.5	452	16	US-10-408-765A-2385
3	836.5	34.5	364	17	US-10-504-329-3
4	818	33.8	333	9	US-09-965-529-7
5	818	33.8	353	10	US-09-969-680A-7
6	818	33.8	353	20	US-11-048-692-7
7	768.5	31.7	351	9	US-09-965-529-1
8	768.5	31.7	351	10	US-09-804-014A-16
9	768.5	31.7	351	10	US-09-969-680A-1
10	768.5	31.7	351	15	US-10-341-434-10
11	768.5	31.7	351	20	US-11-048-692-1

12	768.5	31.7	399	15	US-10-094-749-1978	Sequence 1978, Ap
13	765.5	31.6	329	13	US-10-037-860-4	Sequence 4, Appl
14	765.5	31.6	318	10	US-09-804-014A-40	Sequence 40, Appl
15	742	30.6	321	10	US-09-804-014A-39	Sequence 39, Appl
16	740.5	30.6	312	10	US-09-804-014A-73	Sequence 73, Appl
17	740.5	30.6	312	10	US-09-804-014A-74	Sequence 74, Appl
18	618.5	25.5	283	13	US-10-037-860-11	Sequence 11, Appl
19	462.5	19.1	195	13	US-10-037-860-7	Sequence 7, Appl
20	423.5	17.1	403	15	US-10-094-466-38	Sequence 38, Appl
21	415.5	17.1	402	17	US-10-959-539-26	Sequence 26, Appl
22	384.5	15.9	337	15	US-10-296-115-1208	Sequence 1208, Ap
23	332	13.7	120	10	US-09-804-014A-42	Sequence 42, Appl
24	324	13.4	120	10	US-09-804-014A-41	Sequence 41, Appl
25	323	13.3	149	13	US-10-037-860-9	Sequence 9, Appl
26	322	13.3	204	14	US-10-029-386-33747	Sequence 33747, A
27	270	11.1	116	9	US-09-864-761-34645	Sequence 34645, A
28	191	7.9	538	16	US-10-408-765A-2992	Sequence 2992, Ap
29	158.5	6.5	1322	15	US-10-374-780A-1037	Sequence 1037, Ap
30	156	6.4	1394	16	US-10-437-963-185722	Sequence 185722, A
31	156	6.4	1433	15	US-10-374-780A-1040	Sequence 1040, Ap
32	156	6.4	1433	16	US-10-437-963-110685	Sequence 110685, A
33	156	6.4	1828	16	US-10-437-963-123225	Sequence 123225, A
34	155.5	6.4	1150	16	US-10-437-963-122585	Sequence 122585, A
35	155	6.4	584	15	US-10-291-172-355	Sequence 355, App
36	155	6.4	584	15	US-10-221-278-355	Sequence 355, App
37	154	6.4	1360	16	US-10-437-963-185720	Sequence 185720, A
38	154	6.4	2003	16	US-10-437-963-117298	Sequence 117298, A
39	152	6.3	1433	15	US-10-374-780A-1035	Sequence 1035, Ap
40	152	6.3	1696	16	US-10-437-963-117296	Sequence 117296, A
41	151	6.2	1636	16	US-10-437-963-122665	Sequence 122665, A
42	151	6.2	1895	16	US-10-437-963-122632	Sequence 122632, A
43	149	6.1	1711	16	US-10-437-963-199076	Sequence 199076, A
44	149	6.1	3783	16	US-10-437-963-146318	Sequence 146318, A
45	148	6.1	1777	16	US-10-437-963-122620	Sequence 122620, A

ALIGNMENTS

RESULT 1
US-10-037-860-13
; Sequence 13, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 463
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-13

Query Match 100.0%; Score 2423; DB 13; Length 463;
Best Local Similarity 100.0%; Pred. No. 3e-210;
Matches 463; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MPTLLQDWCRGHEHLNTRRCMLILGIPDCGDEFEETLOEACRHLGRVYVIGRMFRRE 60
DB 1 MPTLLQDWCRGHEHLNTRRCMLILGIPDCGDEFEETLOEACRHLGRVYVIGRMFRRE 60
QY 61 NQAATLLELAQIDVALLPREIPGKGPWEVIVKPRNSDGEFLNRLNLFEEERTVSDM 120
DB 61 NQAATLLELAQIDVALLPREIPGKGPWEVIVKPRNSDGEFLNRLNLFEEERTVSDM 120

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Qy 121 NRVLGSDTNCAPRVTTISPEFWTWAOTLGAQVPLLEQMLYRELVRVFSGNTISIPGALAF 180
Db 121 NRVLGSDTNCAPRVTTISPEFWTWAOTLGAQVPLLEQMLYRELVRVFSGNTISIPGALAF 180
Qy 181 DAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECALAAQVVF 240
Db 181 DAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECALAAQVVF 240
Qy 241 GPVESHKIAQVKLCAYOEAGEKVSSFVLRLEPLLQRAVENNVSRNNVQTLKRVLG 300
Db 241 GPVESHKIAQVKLCAYOEAGEKVSSFVLRLEPLLQRAVENNVSRNNVQTLKRVLG 300
Qy 301 ATLPDKLRDKLKMQRKPPGFALVKLREEEWEATLGPDRSELEGEVAPRPARI 360
Db 301 ATLPDKLRDKLKMQRKPPGFALVKLREEEWEATLGPDRSELEGEVAPRPARI 360
Qy 361 TGVGAVPLPASGNSFDPARPSQGYRRRRRGQHRRGGVARAGSRGRKRKHTFCYSGED 420
Db 361 TGVGAVPLPASGNSFDPARPSQGYRRRRRGQHRRGGVARAGSRGRKRKHTFCYSGED 420
Qy 421 GHRVQCINPNSLLLVKQKQAAVESGNGNWDKSHPKSKAK 463
Db 421 GHRVQCINPNSLLLVKQKQAAVESGNGNWDKSHPKSKAK 463

RESULT 2
US-10-408-765A-2385
; Sequence 2385, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2385
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-2385
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Query Match 36.5%; Score 883.5; DB 16; Length 452;
Best Local Similarity 42.6%; Pred. No. 7e-71;
Matches 201; Conservative 75; Mismatches 155; Indels 41; Gaps 10;

Qy 1 MPTLLQDWCRCGEHLNTRCMLILGIPDCGDEFEETLQEAACHLGRVYRIGRMFRRE 60
Db 5 MALTLLDEDCKGMDMDPRKALLIVGIPMECSEVEIQTVKAGQPLCAVYVILGMRFERED 64
Qy 61 NQAQILLELAQDIDYALLPREIPGKGPPWEVIVKPRNSDGEFLNRLNRFLEBERRTVSDM 120
Db 65 NAKAVFELADVTNYTLLPSHIPGKGGSWEVVKPRNPDPDEFLSRLNYFLKDEGRSMTDV 124
Qy 121 NRVLGSDTNCAPRVTTISPEFWTWAOTLGAQVPLLEQMLYRELVRVFSGNTISIPGALAF 180
Db 125 ARALG---CSLPAESLDAE--VMPQVRSPPLEPKESMMYRKLUKVPFGSTASPSGETF 179
Qy 181 DAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECALAAQVVF 240
Db 180 EDWLQVTEIMPVQVSEVEKRRRLSLRGPALSIMRVLAQNNDISITVEQCCLDAKQIF 239
Qy 241 GPVESHKIAQVKLCAYOEAGEKVSSFVLRLEPLLQRAVENNVSRNNVQTLKRVLG 300
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Db 240 GKEDFRASQFRFLQTSPIKIGKVSFTFLRLBPLLQKAVHKSPLSVSRSTDMIRLKHLLAR 299
Qy 301 ATLPDKLRDKLKMQRKPPGFALVKLREEEWEAT---LGPDRSELEGEVAPRP 356
Db 300 VAWTPALRGKJELLDOQRCPPNPLELMKLIROBEEWENTEAVMKNKEKESGGRGASGRQ 359
Qy 357 PARITGVGAVPLPASGNSF-DARPS--QG-----YRRRRRGQHRRGGVARAGSRGRKR 408
Db 360 ARAEASVSAPQATVQARSFSDSSPQTIOGGLPPLVKRR-----LLGSSESTR-- 406
Qy 409 KRHTFCYSGCBGCHIRVQCINPNSNLLLVKQKQAAVES-GNGNWDKSHPK 459
Db 407 -----GED-HGQATYPKAENQTPGREGPQAAGEELGNEAGAGAMGHPK 448

RESULT 3
US-10-504-329-3
; Sequence 3, Application US/10504329
; Publication No. US20050106569A1
; GENERAL INFORMATION:
; APPLICANT: Evotec NeuroSciences GmbH
; TITLE OF INVENTION: Diagnostic and therapeutic use of MA onconeural
; TITLE OF INVENTION: antigens for neurodegenerative diseases
; FILE REFERENCE: 030475wo ME/BM
; CURRENT APPLICATION NUMBER: US/10/504,329
; CURRENT FILING DATE: 2004-08-25
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 364
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-504-329-3
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Query Match 34.5%; Score 836.5; DB 17; Length 364;
Best Local Similarity 49.7%; Pred. No. 9.2e-67;
Matches 174; Conservative 63; Mismatches 108; Indels 5; Gaps 3;

Qy 1 MPTLLQDWCRCGEHLNTRCMLILGIPDCGDEFEETLQEAACHLGRVYRIGRMFRRE 60
Db 1 MALALLEDCRIMSVDQSKLMVTGIPADFEAEIQEVLOETLKSGLRVLLGKIFRKQE 60
Qy 61 NQAQILLELAQDIDYALLPREIPGKGPPWEVIVKPRNSDGEFLNRLNRFLEBERRTVSDM 120
Db 61 NANAVLELLEDTDVSAIPSEVQGGVWKVIFKTPNQDTEFLERLNLFLKEGGQTVSGM 120
Qy 121 NRVLGSDTNCAPRVTTISPEFWT--WAOTLGAQVPLLEQMLYRELVRVFSGNTISIPGAL 178
Db 121 FRALQGEVSPATVPCISPELLAHLGQAMAHAPQPLL-PMRYRKLURVFGSAVPAPEE 179
Qy 179 AFDWLEHTTEMLQMWQVPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECALAAQ 238
Db 180 SFVWLEQATEIVKEHPVTEAEKRWLAESLRGPDLDLWHIVQADNPSISVECLEAFKQ 239
Qy 239 VFGPVESHKIAQVKLCAYOEAGEKVSSFVLRLEPLLQRAVENNVSRNNVQTLKRVL 298
Db 240 VFGSLSRRTAQVRYLTKTQOEAGEKVSAYVLRLETLRRRAVEKRAIPRIADQVRLEQVM 299
Qy 299 SGATLPDKLRDKLKMQRKPPGFALVKLREEEWEATLGPDRSELE 348
Db 300 AGATLNQMLWCRLELKDQPPSPFLELMKVRREESEASF--ENESIE 347
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RESULT 4
US-09-965-529-7
; Sequence 7, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BRANDMAN, Olga
; APPLICANT: BURFORD, Neil
```



```

; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731-1 USA
; CURRENT APPLICATION NUMBER: US/09/965,529
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1
US-09-965-529-7

Query Match      33.8%; Score 818; DB 9; Length 353;
Best Local Similarity 49.6%; Pred. No. 4.1e-65;
Matches 172; Conservative 52; Mismatches 113; Indels 10; Gaps 4;

QY 1 MPTLLQDWCGRGHEHLNTRCMLILGIPEDCGEDEFEEETLQEAACHLGRYRVRIGRMFRREE 60
   :|||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 1 MAMTLLDWCGRGMDVNSQRALLVWGIPVNCDEAEIETLQAAMPQVS-YRMLGRMFWRREE 59
   :|||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

QY 61 NQAAILLELAQDIDYALLPREIPGKGPWEIVKPRNSGDFELNRLNLEERRTVSDM 120
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 60 NAKAALLELTGAVDYAAIPREMPGKGVKVKLFKPPTSDAEFLERLHLFLAREGWTVDV 119
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

QY 121 NRVLGSDTNCASPRVTISPEFTWATGLCAAVQPLLEQMLYRELVRVFSNGTTSIPCALAF 180
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 120 ARVLGFQNPPTPGPEMPAEMLY--ILDNVIQPLVESIWKRLTLFSGRDIPGGEETF 177
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

QY 181 DAWLHETTEMLOWQVPEGEKRRRLMECLRGALQVVGSLGRASNASITVEECIALAQVVF 240
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 178 DPWLHETNEVLEWQVSDVEKRRRLMESLRGPAADVIRILKSNPAITTAECLEKALEQVF 237
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

QY 241 GPVESHKIAQVKLCAYQAGEKVSFVLRLPILQRAVENNVSRNNTQLKRVLSG 300
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 238 GSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLQKVVKEGAIDKDNVNOARLEQVIAG 297
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

QY 301 ATLPDKLRDKLKMQRKRP-PCFLALVKLIR-----EEEEWEATL 340
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Db 298 ANHSGAIRQLWLTGAGEGPAPNLFQLLVQIREEEAKEBEEAEATL 344
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

RESULT 5
US-09-969-680A-7
; Sequence 7, Application US/09969680A
; Publication No. US20030124649A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti; YUE, Henry
; APPLICANT: TANG, Y. Tom; BANDMAN, Olga
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731-1 USA
; CURRENT APPLICATION NUMBER: US/09/969,680A
; CURRENT FILING DATE: 2001-10-02
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 2483172CD1
US-11-048-692-7

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; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
US-09-969-680A-7

Query Match      33.8%; Score 818; DB 10; Length 353;
Best Local Similarity 49.6%; Pred. No. 4.1e-65;
Matches 172; Conservative 52; Mismatches 113; Indels 10; Gaps 4;

QY 1 MPTLLQDWCGRGHEHLNTRCMLILGIPEDCGEDEFEEETLQEAACHLGRYRVRIGRMFRREE 60
   :|||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 1 MAMTLLDWCGRGMDVNSQRALLVWGIPVNCDEAEIETLQAAMPQVS-YRMLGRMFWRREE 59
   :|||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

QY 61 NQAAILLELAQDIDYALLPREIPGKGPWEIVKPRNSGDFELNRLNLEERRTVSDM 120
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 60 NAKAALLELTGAVDYAAIPREMPGKGVKVKLFKPPTSDAEFLERLHLFLAREGWTVDV 119
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

QY 121 NRVLGSDTNCASPRVTISPEFTWATGLCAAVQPLLEQMLYRELVRVFSNGTTSIPCALAF 180
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 120 ARVLGFQNPPTPGPEMPAEMLY--ILDNVIQPLVESIWKRLTLFSGRDIPGGEETF 177
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

QY 181 DAWLHETTEMLOWQVPEGEKRRRLMECLRGALQVVGSLGRASNASITVEECIALAQVVF 240
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 178 DPWLHETNEVLEWQVSDVEKRRRLMESLRGPAADVIRILKSNPAITTAECLEKALEQVF 237
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

QY 241 GPVESHKIAQVKLCAYQAGEKVSFVLRLPILQRAVENNVSRNNTQLKRVLSG 300
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 238 GSVESSRDAQIKFLNTYQNPGEKLSAYVIRLEPLQKVVKEGAIDKDNVNOARLEQVIAG 297
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

QY 301 ATLPDKLRDKLKMQRKRP-PCFLALVKLIR-----EEEEWEATL 340
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 298 ANHSGAIRQLWLTGAGEGPAPNLFQLLVQIREEEAKEBEEAEATL 344
   |||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

RESULT 6
US-11-048-692-7
; Sequence 7, Application US/11048692
; Publication No. US20050123990A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti; YUE, Henry
; APPLICANT: TANG, Y. Tom; BANDMAN, Olga
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731-1 USA
; CURRENT APPLICATION NUMBER: US/11/048,692
; CURRENT FILING DATE: 2005-02-02
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 2483172CD1
US-11-048-692-7

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Query Match      33.8%; Score 818; DB 20; Length 353;
Best Local Similarity 49.6%; Pred. No. 4.1e-65;
Matches 172; Conservative 52; Mismatches 113; Indels 10; Gaps 4;

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Qy 1 MPLTLQDWCRCGEHLNTRRCMLILGIPEDCGEDEFETLQEAACHLGRYRVIGRMFRREE 60
Db 1 MAMTLLEDWCRCGMDVNSQRALLVWGIPVNCDEABIEETLQAMPQVS-YRMUGRMFRREE 59
Qy 61 NQAAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
Db 60 NAKAALLELTGAVDYAALPREMPCKGGVWKVLPKPTTSDAEFLERLHLFLAREGWTVDV 119
Qy 121 NRVLGSDTNCAPRVITISPEFTWQAOTLGAAVQPLLEOMLYRELURVPSGNTISIPGALAF 180
Db 120 ARVLGFQNPPTTPGPEMPAEMLANL--ILDNVIOPLVESIWYKRLTFLSGRDIIPGGBETF 177
Qy 181 DAWLEHTTEMLQMWQPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECLAALQOVF 240
Db 178 DPWLEHTNEVLEEWQVSDVEKRRRLMESLGRPAADVIRILKSNPAITTAECALKAEQVF 237
Qy 241 GPVESHKIAQVKLCKAYQEAKEKVSFVLRLEPLLQRAVENNVVSRNVNQTRLKRVLSG 300
Db 238 GSVESRDAQIKELNTYQNPGKLSAVVIRLEPLLQKVVEKGAIDKDNVNAQRLQEVIAQ 297
Qy 301 ATLPDKLRDCLKMKQRRKP-PGFLALVKLLR-----EEEWETATL 340
Db 298 ANHSGAIRRQLWLTGAGEGPAPNLFOLLVQVIREEEAKEEEEEBATL 344

RESULT 7
US-09-965-529-1
; Sequence 1, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731 USA
; CURRENT APPLICATION NUMBER: US/09/965,529
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
US-09-965-529-1

Query Match 31.7%; Score 768.5; DB 9; Length 351;
Best Local Similarity 46.6%; Pred. No. 1.2e-60;
Matches 165; Conservative 60; Mismatches 118; Indels 11; Gaps 6;

Qy 1 MPLTLQDWCRCGEHLNTRRCMLILGIPEDCGEDEFETLQEAACHLGRYRVIGRMFRREE 60
Db 1 MTLRLLEDWCRCGMDNPRKALLIAGISQCSVAIEEALQAGLAPLGEYLLGRMFRDE 60
Qy 61 NQAAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
Db 60 NRKVALVGLTAETSHALVPKEIPKGGIWRVIFKPPDPDNTFLSRLNEFLAGEGTMVTEL 120
Qy 121 NRVLGSDTNCAPRVITISPEFTW--WAQTLGAAVQPLLEOMLYRELURVFSGNTISIPGAL 178
Db 121 SRALGHENGSLDPEQGMIPEMWAPMLAQAL--EALQPALQCLKYKLLRVFSGRESPEPGE 179
Qy 179 AFDAWLEHTTEMLQMWQPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECLAALQ 238
Db 180 EFGRMWFHTTQMIKAWQVPDVEKRRRLLESRLGRPALDVIRVLKINNPLITVDECLQALEE 239
Qy 239 VFGPVESHKIAQVKLCKAYQEAKEKVSFVLRLEPLLQRAVENNVVSRNVNQTRLKRVL 298
Db 238 NRKVALVGLTAETSHALVPKEIPKGGIWRVIFKPPDPDNTFLSRLNEFLAGEGTMVTEL 120
Qy 121 NRVLGSDTNCAPRVITISPEFTW--WAQTLGAAVQPLLEOMLYRELURVFSGNTISIPGAL 178
Db 121 SRALGHENGSLDPEQGMIPEMWAPMLAQAL--EALQPALQCLKYKLLRVFSGRESPEPGE 179
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Qy 179 AFDAWLEHTTEMLQMWQPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECLAALQ 238
Db 180 EFGRMWFHTTQMIKAWQVPDVEKRRRLLESRLGRPALDVIRVLKINNPLITVDECLQALEE 239
Qy 239 VFGPVESHKIAQVKLCKAYQEAKEKVSFVLRLEPLLQRAVENNVVSRNVNQTRLKRVL 298
Db 240 VFGVTNDPRELQVKYLTQKDEBKLSAVVLRLEPLLQKLVQRGATERDAVNAQRLDQVI 299
Qy 299 SGATLPDKLRDCLKMKQRRKP-PGFLALVKLLR-----EEEWETATLCPDRESLEG 349
Db 300 AGA-VHKTIRRELNL--PEDGPAPGFLQLLVLTKOYEABEEEEALL---QAILEG 348

RESULT 8
US-09-804-014A-16
; Sequence 16, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shimkets, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-804-014A-16

Query Match 31.7%; Score 768.5; DB 10; Length 351;
Best Local Similarity 46.6%; Pred. No. 1.2e-60;
Matches 165; Conservative 60; Mismatches 118; Indels 11; Gaps 6;

Qy 1 MPLTLQDWCRCGEHLNTRRCMLILGIPEDCGEDEFETLQEAACHLGRYRVIGRMFRREE 60
Db 1 MTLRLLEDWCRCGMDNPRKALLIAGISQCSVAIEEALQAGLAPLGEYLLGRMFRDE 60
Qy 61 NQAAILLELAQDIDYALLPREIPGKGGPWEVIVKPRNSDGEFLNRLNRFLEEERRTVSDM 120
Db 61 NRKVALVGLTAETSHALVPKEIPKGGIWRVIFKPPDPDNTFLSRLNEFLAGEGTMVTEL 120
Qy 121 NRVLGSDTNCAPRVITISPEFTW--WAQTLGAAVQPLLEOMLYRELURVFSGNTISIPGAL 178
Db 121 SRALGHENGSLDPEQGMIPEMWAPMLAQAL--EALQPALQCLKYKLLRVFSGRESPEPGE 179
Qy 179 AFDAWLEHTTEMLQMWQPEGEKRRRLMECLRGPALQVVSGLRASNASITVEECLAALQ 238
Db 180 EFGRMWFHTTQMIKAWQVPDVEKRRRLLESRLGRPALDVIRVLKINNPLITVDECLQALEE 239
Qy 239 VFGPVESHKIAQVKLCKAYQEAKEKVSFVLRLEPLLQRAVENNVVSRNVNQTRLKRVL 298
Db 240 VFGVTNDPRELQVKYLTQKDEBKLSAVVLRLEPLLQKLVQRGATERDAVNAQRLDQVI 299
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; OTHER INFORMATION: Incyte ID No: 112301CD1
US-11-048-692-1

Query Match      31.7%; Score 768.5; DB 20; Length 351;
Best Local Similarity 46.6%; Pred. No. 1.2e-60;
Matches 165; Conservative 60; Mismatches 118; Indels 11; Gaps 6;
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Qy	1	MPLTLLQDWCRGEHLNTRRCMLILGIPEDCGDEFEETLQACRHLGLRVYIGRMFRREE	60
Dd	1	MTLLELDWCGRGMDMNPRAKALLIAGISQSCSVAEIEEAALQAGLAPICEYRLLGMRFERDE	60
Qy	61	NAQAIIELLEAQDIDYALLPREIPKGKGPWEVIVKPRNSDGEFNLNRFLNLFLEEERRTVSDM	120
Dd	61	NRKVALVGLTAETSHALVPKEIPKGKGIWRVIFKPPDPDNFTLSRLNEFLAGEGMTVGEL	120
Qy	121	NRVLGSDTNCSPAVTTISPEPWT--WAQTLCANAOPLLLEQMLYRELVRVFSNGTTSIPCAL	178
Dd	121	SRALGHENGSLDPBQGMIPEKMAWPMLAQAL-EALQPALQCULKYKKLRVFGRESPEEGEE	179
Qy	179	AFDAWLHHTTMELQWQVPEGKEKRRLMECLURGPALOVSGLRASNASITVEECALAQQ	238
Dd	180	EFGRWMEHTTQMIKAWQVPDEVKRRRLLESURGPALDIVIRVLKINNPLITVDECLQALEE	239
Qy	239	VFGEVESHKIAQVKCKAYOAGBEKVSSFVLREPLQLQRAVENNVSRNNVNQTRLKRVL	298
Dd	240	VFGVTDPNRELQVKYLITYTKDBEKL SAYVLREPLQLQVORGAIERDAVNQARLDQVI	299
Qy	299	SGATLPDKLRDLKLMKQRKPFGFLAVLKLLRE---EEEWAEATLGPDRSLEG	349
Dd	300	AGA-VHKTIIRRELNL-PEDGPAFGFOALLVLIKDYEAABEEBALL---OAATLEG	348

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RESULT 12
US-10-094-749-1978
; Sequence 1978, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 08435/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 1978
; LENGTH: 399
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-1978

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Matches	171;	Conservative	72;	Mismatches	130;	Indels	29;	Gaps	7;
Qy	1	MPLTLQDWCKRGHNLNTRRCMLILGIPEDCGEDEFETLQEAACHLGRYRVIGRMFRREE	60						
Db	1	MAVTMLQDWCKRWGVNARRGLLLIGIPEDCDDAEFQESLEAALRPMGHFTVLGKAFREED	60						
Qy	61	NAQAIILELAQDIDYALLPREIPKGKGPWEVIKVPKNSDCGEF--LNRLNRFLFEERTVS	118						
Db	61	NATAALVELLDREVNYALVPREIPTGTGPMNVVFVKCSGEFFLGGRVTHFPPEQGOMVE	120						
Qy	119	DMNRVLGSDTNCSPRVITISPEFWTWAQTILGAAVQLLEQMLYRELRFVSGNTISIPGAL	178						
Db	121	SVAGALG---VGLRRV-----CWLRSIGQAVQPWVEAVRCQSGLVFSGRDPAPGEE	169						
Qy	179	AFDAWLHTTEMLOMWQ-VPEGKKRRRLMECLRGPALQVVVGSLGRASNASTIVTECLAALQ	237						
Db	170	SFEVLDHTMTTMLHVWGVSERERRRLLEGRTALQLVHALLAENPARTAQDCLAALA	229						
Qy	238	QVGFPEVESHKIAOVKLCKAYQEAGEKVSSFVLRLPLELLOQRAVENNVSRNNVQTRLKRV	297						
Db	230	QVFGDNESQATIRVKCLTAQQQGERLSAFVRLVLLQKAMEKEALARASADRVLRLQM	289						
Qy	298	LSGATLPDKLRDLKLMKQRKPFGFIALLVKLLRREBEWEATIG----PDRESLEGLEVA	353						
Db	290	LTRAHLTEPDEALRKLRMAGRSPSFLEMGLGVRESEAWESLASRYVAQTQEGACARAG	349						
Qy	354	PRPPARI-TCGVGVP-----LPASCNSFDARPSCQVR	384						
Db	350	AQAVARASTKVEAVPGGPGREPGLGLQAGQEAELLQEGLK	391						
 RESULT 13									
US-10-037-860-4									
; Sequence 4, Application US/10037860									
; Publication No. US200201231141									
; GENERAL INFORMATION:									
; APPLICANT: Jerome B. Posner									
; APPLICANT: Joseph O. Dalmau									
; APPLICANT: Myrna R. Rosenfeld									
; TITLE OF INVENTION: Ma FAMILY POLYPEPTIDES AND ANTI-Ma									
; TITLE OF INVENTION: ANTIBODIES									
; FILE REFERENCE: 2581.1004-004									
; CURRENT APPLICATION NUMBER: US/10/037,860									
; CURRENT FILING DATE: 2001-01-04									
; PRIOR APPLICATION NUMBER: 09/189,527									
; PRIOR FILING DATE: 1998-11-10									
; NUMBER OF SEQ ID NOS: 14									
; SOFTWARE: FastSeq for Windows Version 4.0									
; SEQ ID NO 4									
; LENGTH: 329									
; TYPE: PRT									
; ORGANISM: homo sapiens									
US-10-037-860-4									
 Query Match 31.6%; Score 766.5; DB 13; Length 329;									
Best Local Similarity 50.2%; Pred. No. 1.7e-60;									
Matches 157; Conservative 50; Mismatches 103; Indels 3; Gaps 2;									
Qy	1	MPLTLQDWCKRGHNLNTRRCMLILGIPEDCGEDEFETLQEAACHLGRYRVIGRMFRREE	60						
Db	1	MAVTMLQDWCKRWGVNARRGLLLIGIPEDCDDAEFQESLEAALRPMGHFTVLGKAFREED	59						
Qy	61	NAQAIILELAQDIDYALLPREIPKGKGPWEVIKVPKNSDCGEF--LNRLNRFLFEERTVS	120						
Db	60	NAKAALLELTCAVDYAAIPEMPFKGGWKVLFKPPTSDAEFRLHLFLAREBGWTQDV	119						
Qy	121	NRVLGSDTNCSPRVITISPEFWTWAQTILGAAVQLLEQMLYRELRFVSGNTISIPGALAF	180						
Db	120	ARVLGFQNPTTPGPEPAEMLVN--ILDNVIQLVESIYWKRLLTFSGKHGRAWRGNF	177						
Qy	181	DAWLHTTEMLOMWQVPEGKKRRRLMECLRGPALQVVVGSLGRASNASTIVTECLAALQOOF	240						
Db	178	DPWLHTNEVLVEEQWDVSKRRRLMESLRGPADVIRILKSNPNPATTTACLKALEQVF	237						

Job time : 124.01 secs
